V08356

Schneider VIDEO

Serviceanweisung
Service manual

SVC 563.5 RC

Schaltbild + Platinendarstellung + Ersatzteilliste + Abgleich
Circuit diagram + P.C.B. diagram + Spare parts list + Alignment procedure

Diese Service-Unterlage wurde ausschließlich für autorisiertes Fachpersonal erstellt.
Für Eingriffe durch nicht autorisierte Personen übernimmt der Hersteller keine Haftung.

This service manual was only made for authorized specialists.
For interventions by not authorized persons producer don't take possession of liability.

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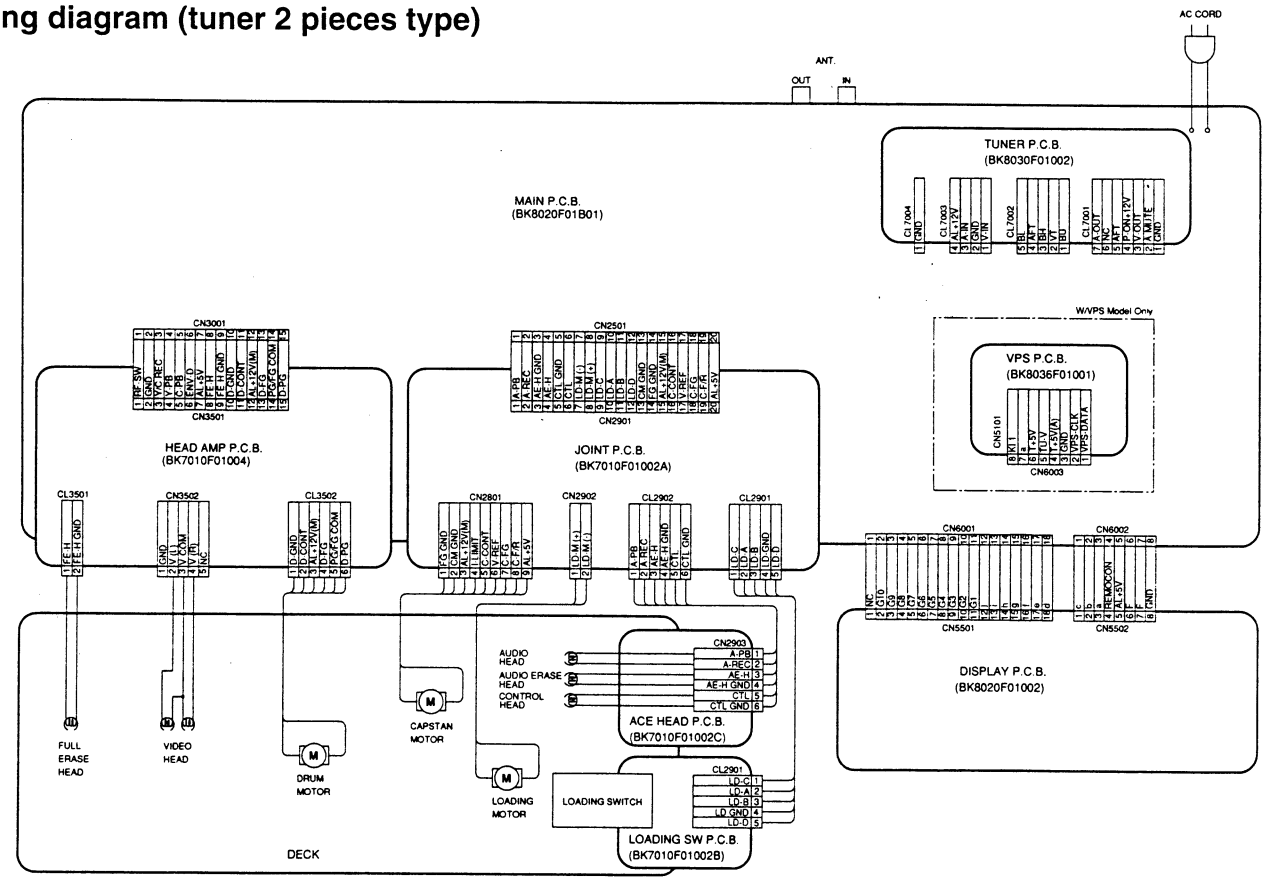
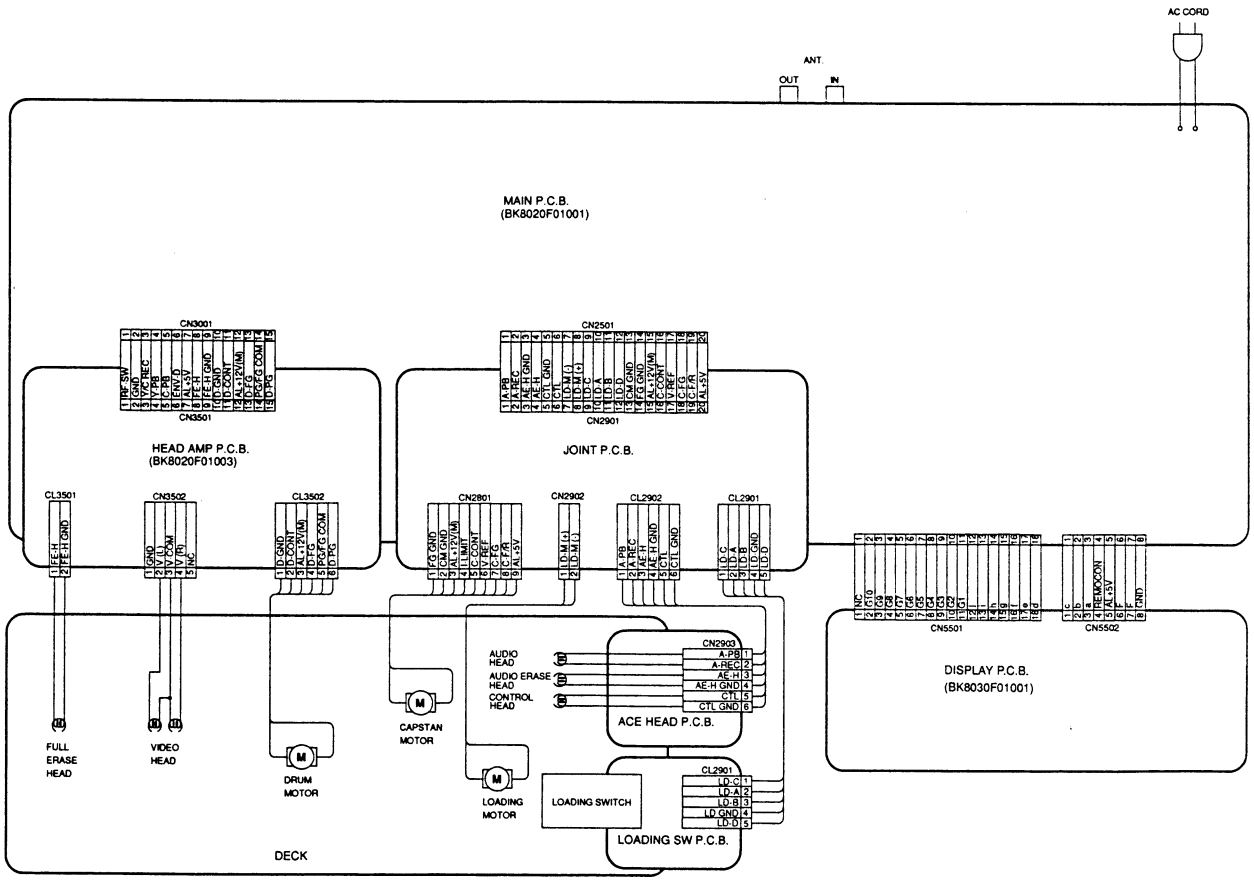
Verdrahtungsplan (Tuner + Convertor getrennt)
Wiring diagram (tuner 2 pieces type)

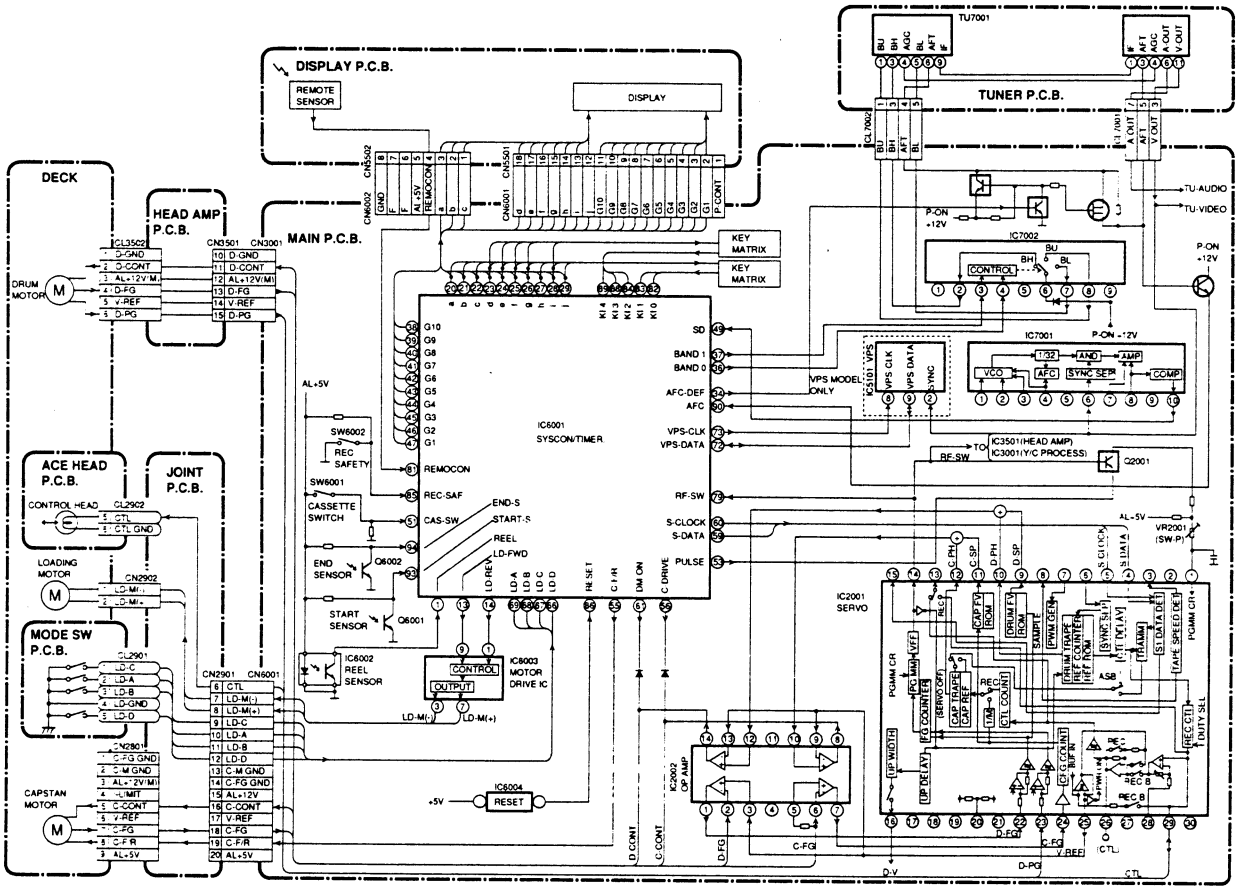


Verdrahtungsplan (Tuner + Convertor kombiniert)
Wiring diagram (tuner/convertor 1 piece type)



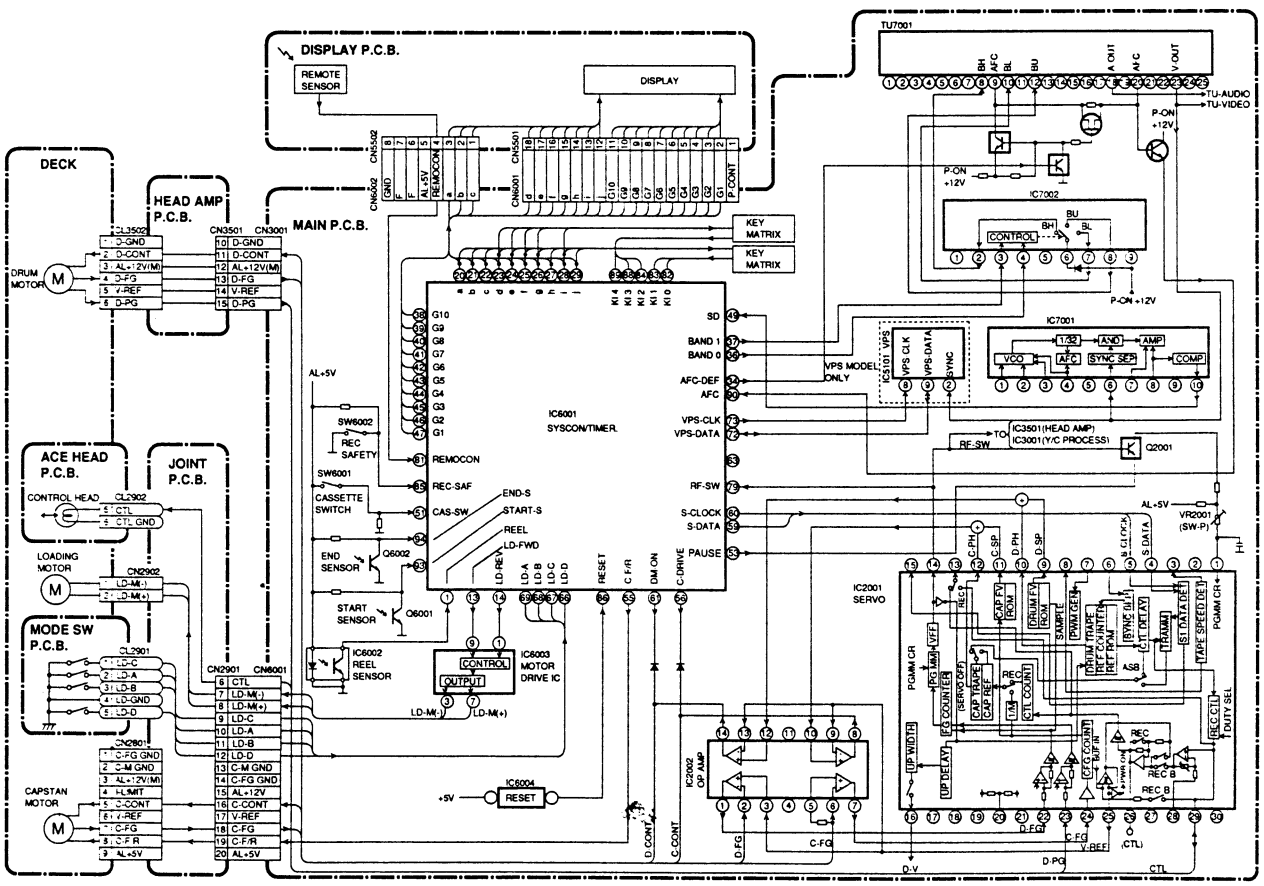
Blockschaltbild System Control / Servo / Display / Control (Tuner + Convertor getrennt)

Block diagram system control / servo / display / control (tuner 2 pieces type)



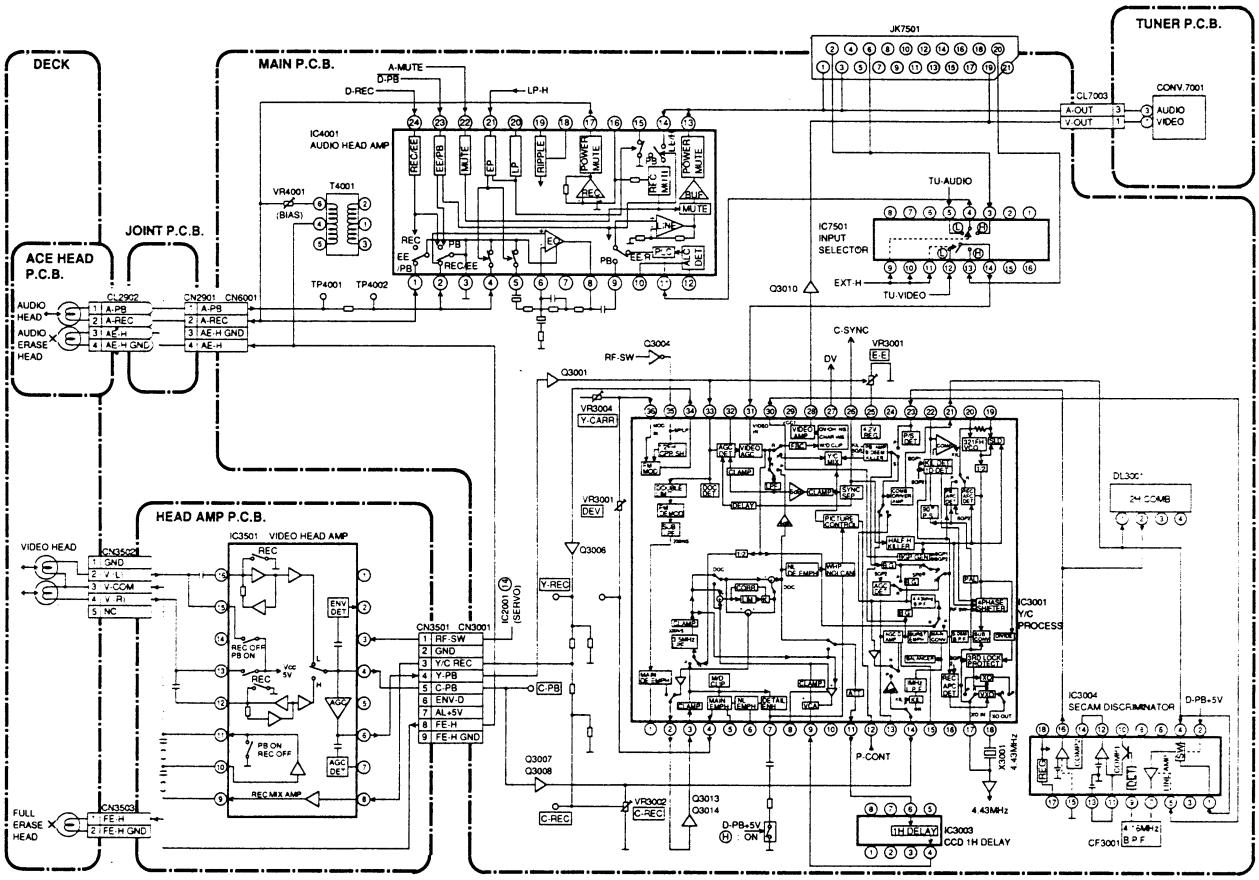
Blockschaltbild System Control / Servo / Display / Control (Tuner + convertor kombiniert)

Block diagram system control / servo / display / control (tuner/converter 1 piece type)



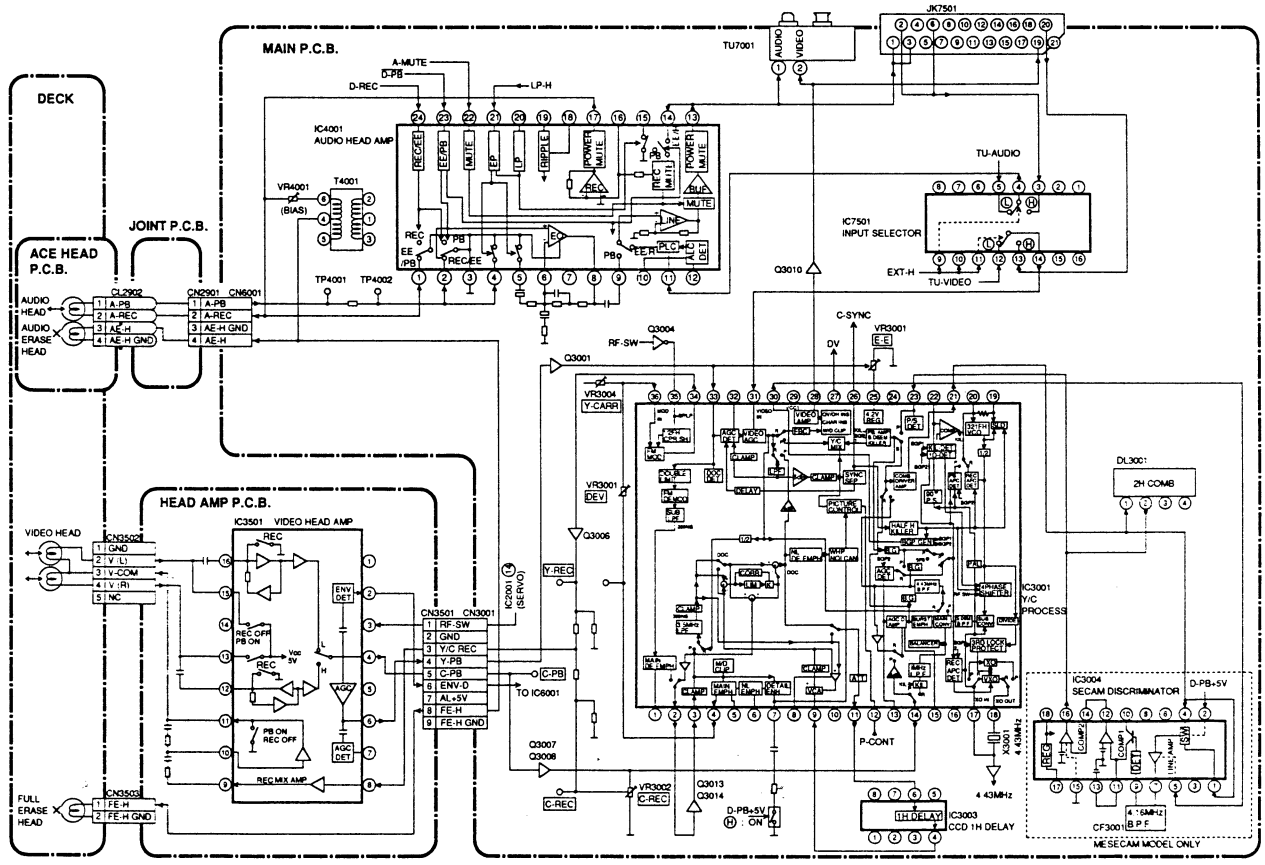
Blockschaltbild Video/Audio (Tuner + Convertor getrennt)

Block diagram video/audio (tuner 2 pieces type)

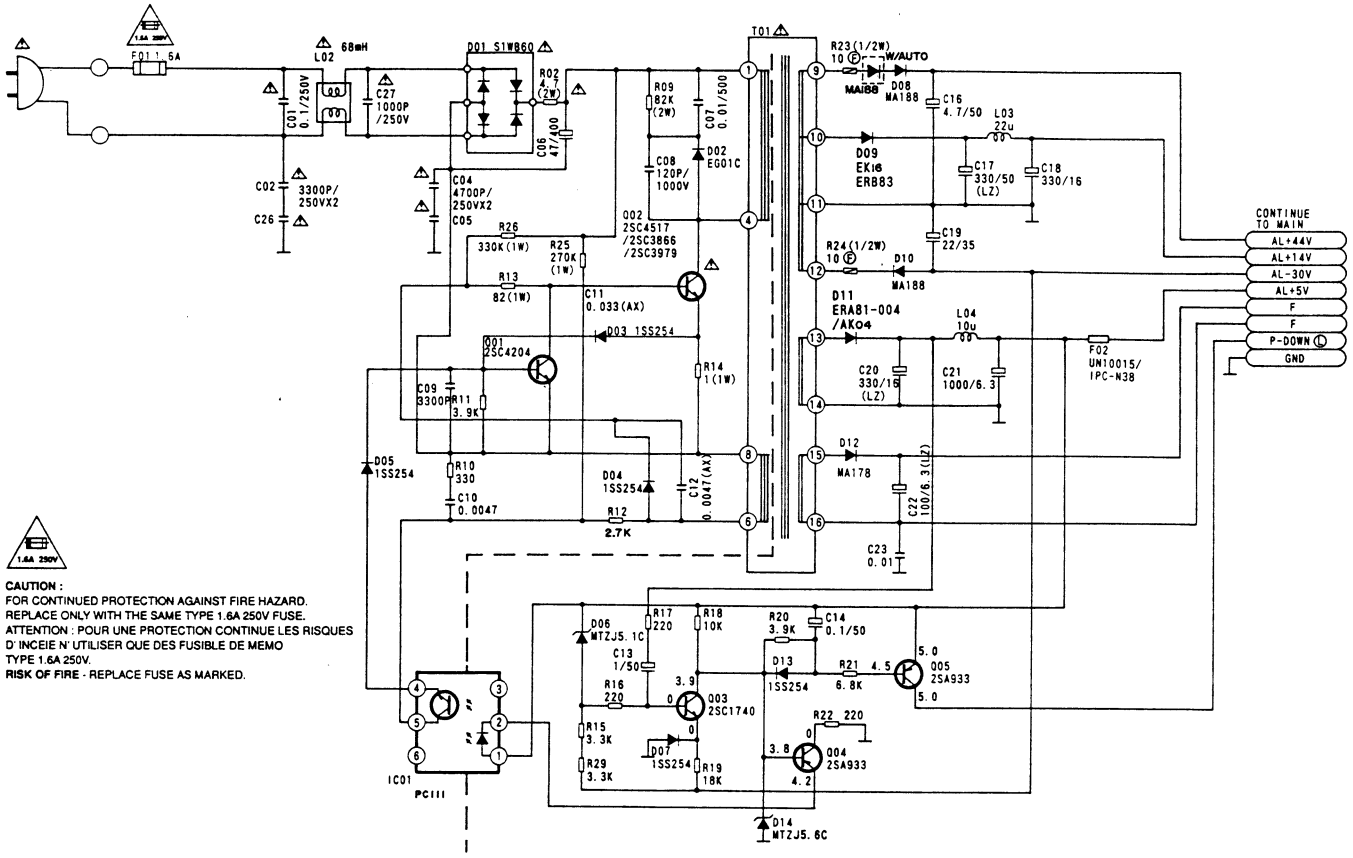


Blockschaltbild Video/Audio (Tuner + Convertor kombiniert)

Block diagram video/audio (tuner/convertor 1 piece type)



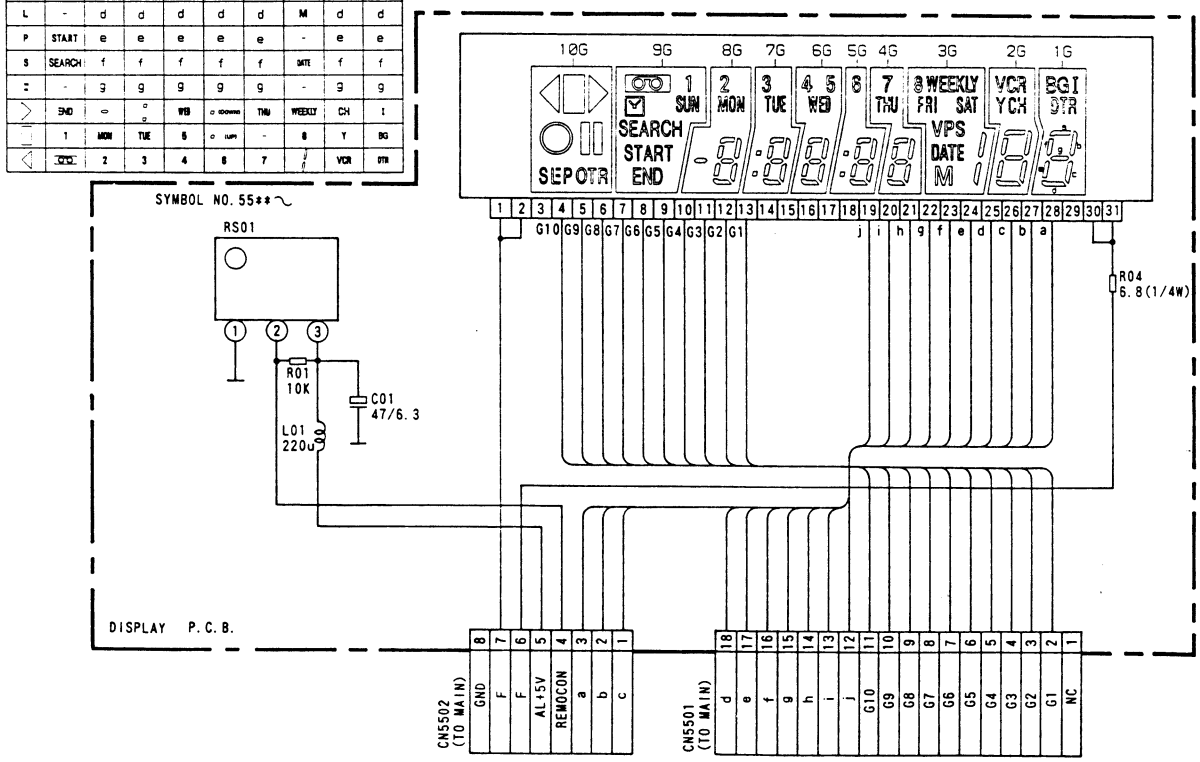
Schaltbild Netzteil (Vornummer 10**)
Circuit diagram power suppy (symbol 10**)



Schaltbild Display und IR-Empfänger
Circuit diagram display and control

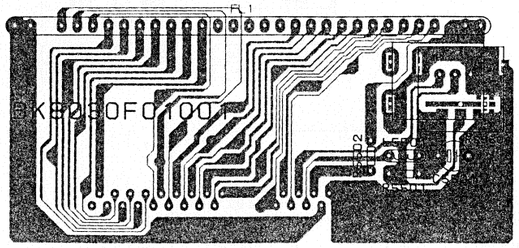
ANODE CONNECTION

10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
○	☑	a	a	a	a	a	FRI	a	a
▯	SUN	b	b	b	b	b	SAT	b	b
OTR	-	c	c	c	c	c	VPS	c	c
L	-	d	d	d	d	d	M	d	d
P	START	e	e	e	e	e	-	e	e
S	SEARCH	f	f	f	f	f	DATE	f	f
▭	-	g	g	g	g	g	-	g	g
▷	END	○	○	VPS	○ down	THU	WEEKLY	CH	I
▭	1	MON	TUE	5	○ up	-	8	Y	BG
◁	▭	2	3	4	6	7	/	VCR	OTR

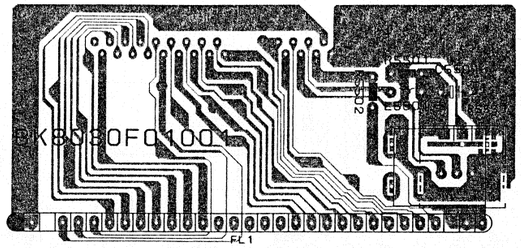


Display / IR-Empfänger-Platine
Display / control P.C.B.

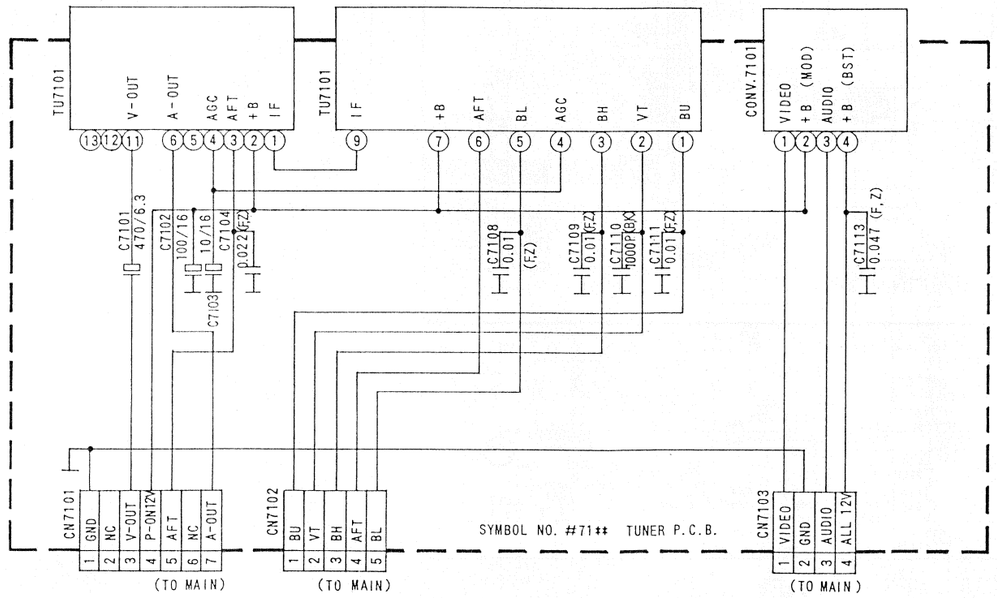
Bestückungsseite / top view



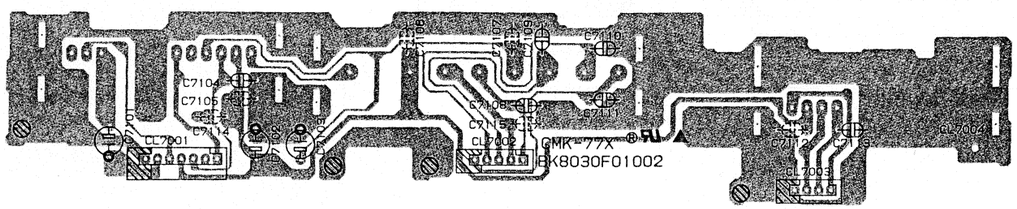
Leiterbahnseite / bottom view



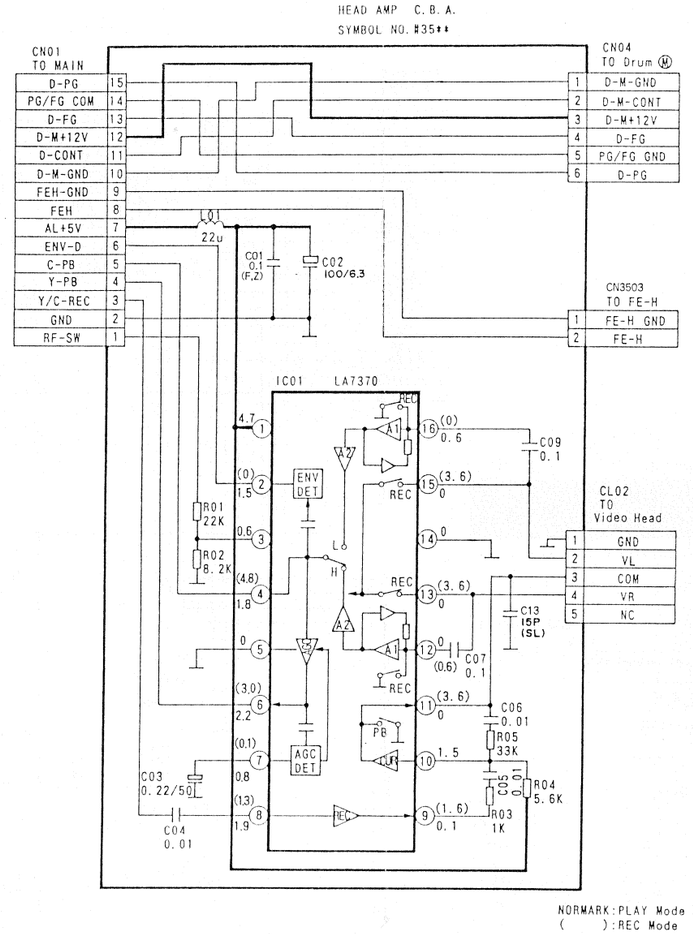
Schaltbild Tunerbeschaltung (Tuner + Convertor getrennt)
Circuit diagram tuner (tuner 2 pieces type)



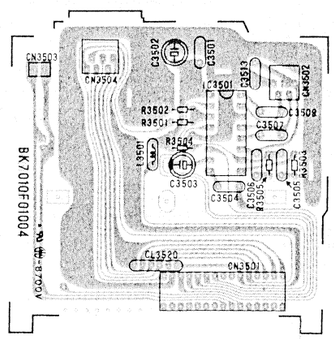
Platine Tunerbeschaltung
Tuner P.C.B.



Schaltbild Kopfverstärker
Circuit diagram head amplifier



Kopfverstärkerplatine
Head amplifier P.C.B.



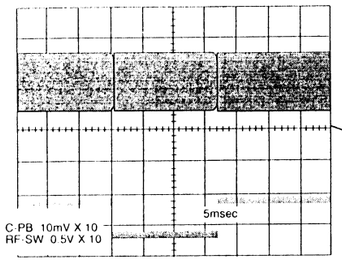
Schaltbild Y/C Prozessor
Circuit diagram Y/C processor

SYMBOL NO. #30** ~

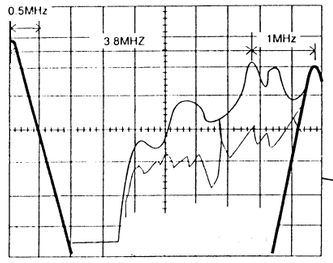
※ NOTE:

C49	C75		C49	C75
0.047(B.K)	X	or	0.022(B.K)	0.022(B.K)

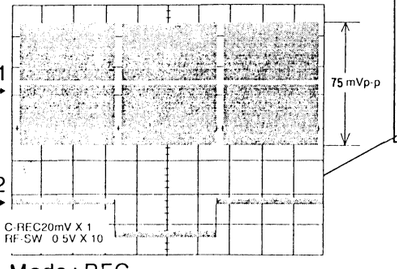
C50	C76		C50	C76
0.047(B.K)	X	or	0.022(B.K)	0.022(B.K)



Mode : PLAY
Test Tape : F6-A



Mode : REC(SP)
Input : Color Bar Signal
with 100% White

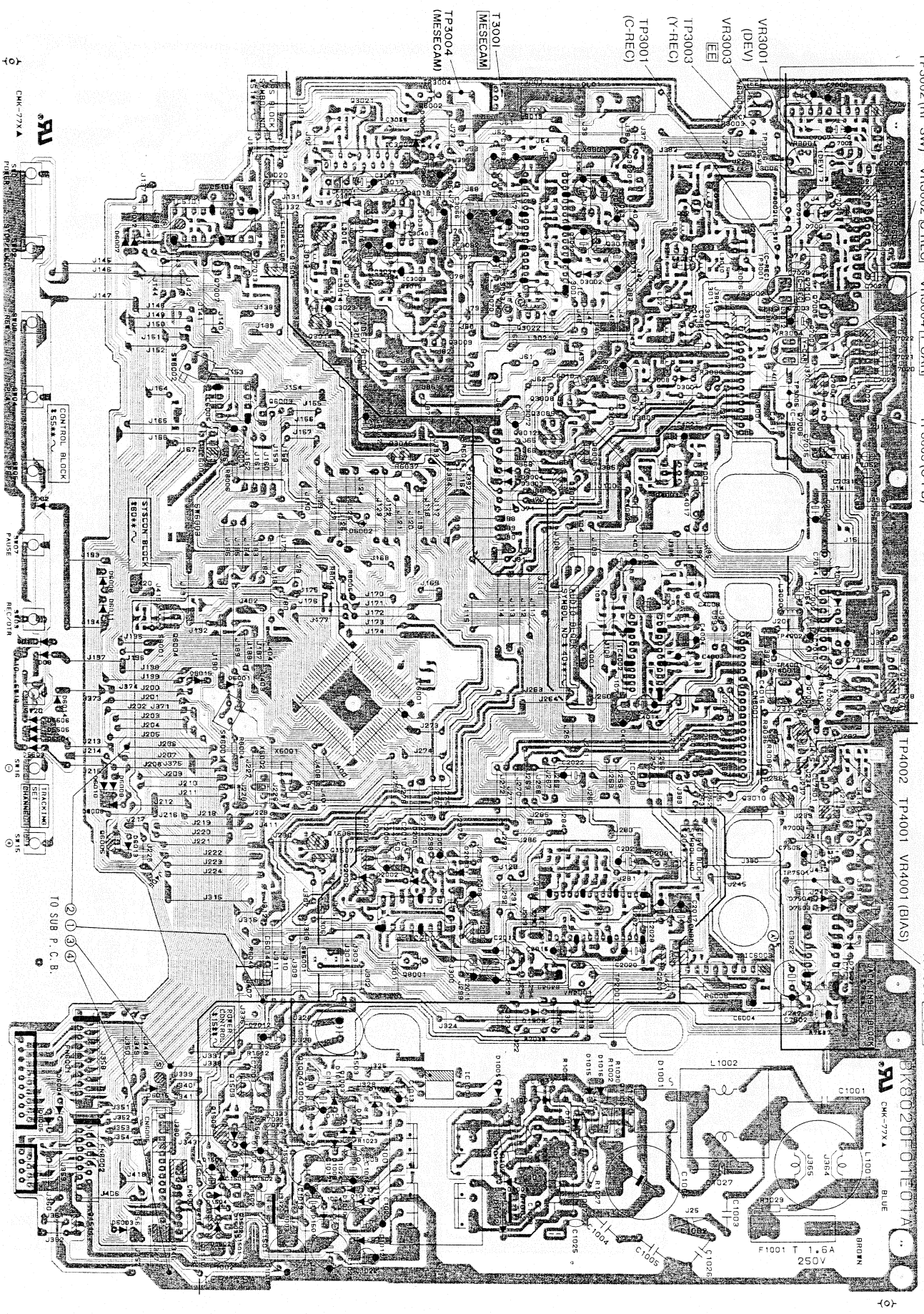


Mode : REC
Input : RED ONLY Signal

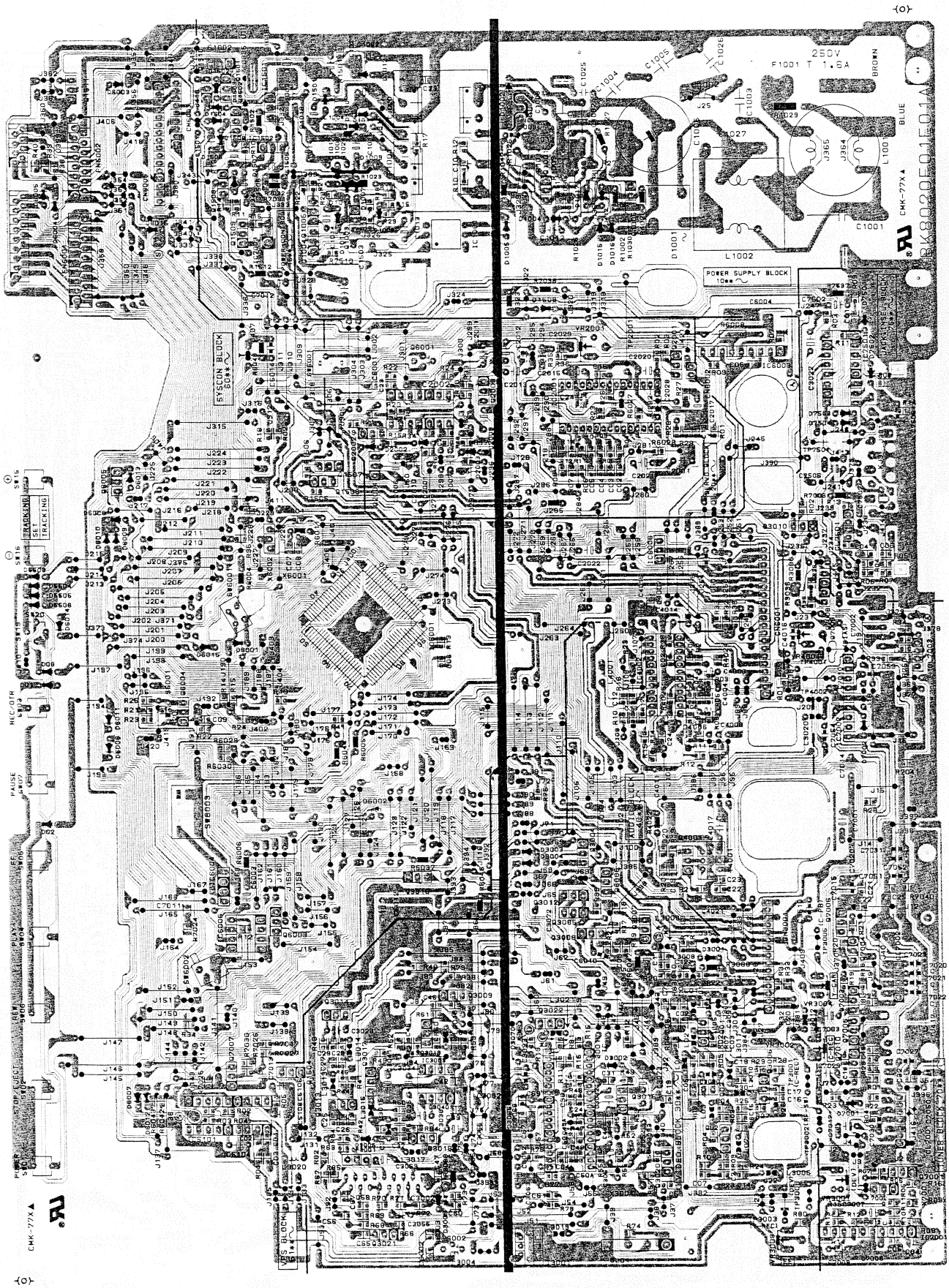
NOR MARK:PLAY Mode
( ):REC Mode

Hauptplatine
Main P.C.B.

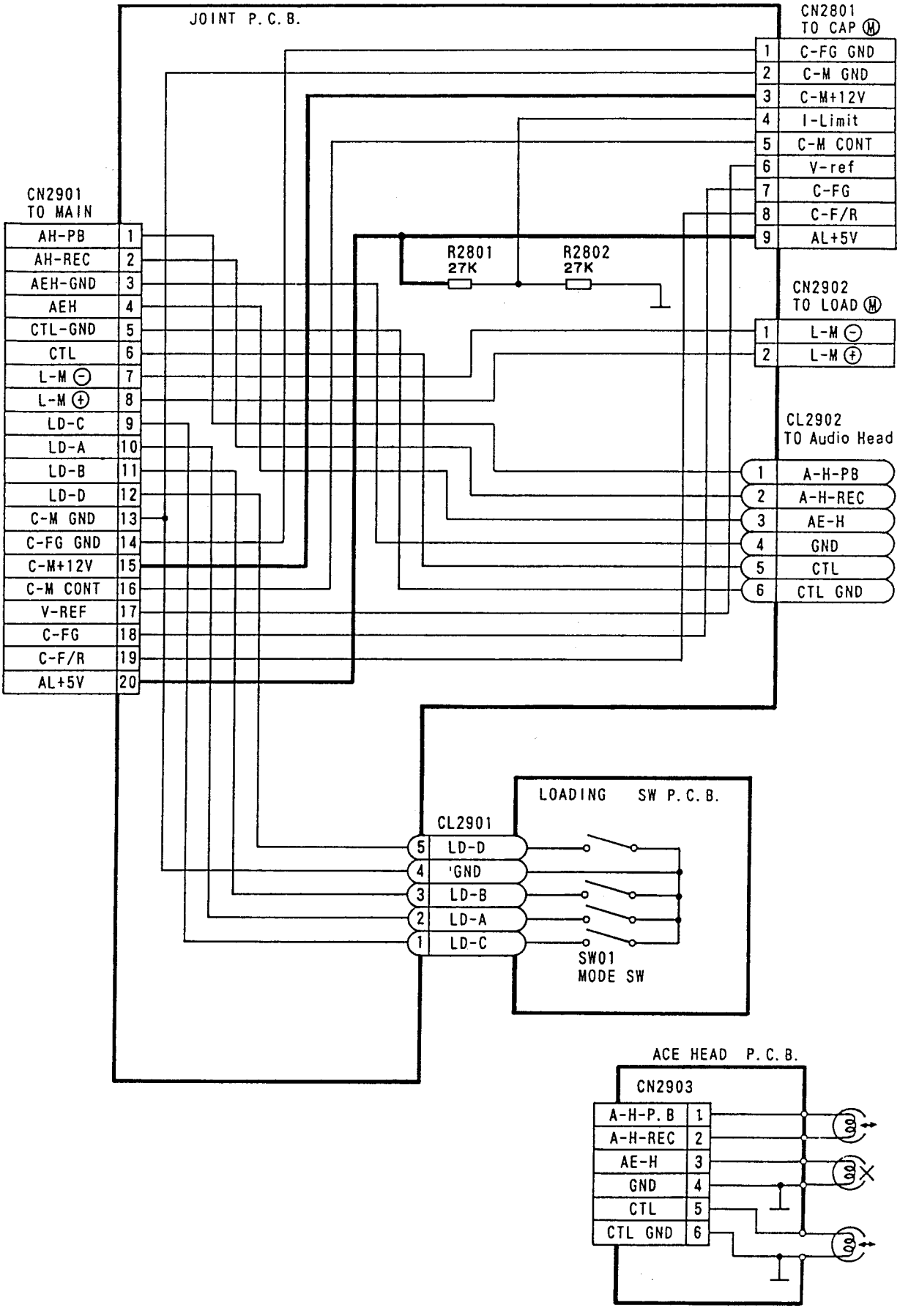
Bestückungsseite / top view



Leiterbahnseite / bottom view



Schaltbild Verbinderplatine
Circuit diagram joint P.C.B.



IC Spannungstabelle
IC voltage table

* L < 2,3 V
* H ≥ 2,7 V

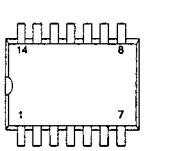
L < 0,5 V
H ≥ 4,6 V

Syscon/Timer (QSMQAORNE008)

PIN NO.	IN/OUT	SIGNAL NAME	FUNCTION	ACTIVE LEVEL
1	IN	REEL	Take Up Reel Rotation Signal Input	* H/L
2	—	A V_{REF}	+5V	—
3	—	A V_{DD}	+5V	—
4	—	V_{DD}	+5V	—
5	—	V_{PP}	+5V	—
6	OUT	X_2	Crystal Oscillator (4.19MHz Output)	—
7	IN	X_1	Crystal Oscillator (4.19MHz Input)	—
8	—	IC	GND	—
9	OUT	XT_2	Crystal Oscillator (32KHz Output)	—
10	IN	XT_1	Crystal Oscillator (32KHz Input)	—
11	—	V_{SS}	GND	—
12	—	—	—	—
13	OUT	LD-FWD	Loading Motor Forward Control Output (Forward/Stop= "H")	H
14	OUT	LD-REV	Loading Motor Reverse Control Output (Reverse/Stop= "H")	H
15	OUT	LED-P	Pulse Output Signal for Sensor (for ST/END SENSOR)	H/L
16	OUT	V-MUTE	Video Mute Signal	H
17	OUT	EXT-H	External Input Signal (External Input= "H" output)	H
18	OUT	—	—	—
19	OUT	D-REC	Delayed Record Control Signal (Record ="H")	H
20	OUT	a	Display Segment Control Signal Output/Kye Scan Signal Output	VPP/H
21	OUT	b	Display Segment Control Signal Output/Kye Scan Signal Output	VPP/H
22	OUT	c	Display Segment Control Signal Output/Kye Scan Signal Output	VPP/H
23	OUT	d	Display Segment Control Signal Output/Kye Scan Signal Output	VPP/H
24	OUT	e	Display Segment Control Signal Output/Kye Scan Signal Output	VPP/H
25	OUT	f	Display Segment Control Signal Output/Kye Scan Signal Output	VPP/H
26	OUT	g	Display Segment Control Signal Output/Kye Scan Signal Output	VPP/H
27	OUT	h	Display Segment Control Signal Output/Kye Scan Signal Output	VPP/H
28	OUT	i	Display Segment Control Signal Output/Kye Scan Signal Output	VPP/H
29	OUT	j	Display Segment Control Signal Output	VPP
30	—	V_{DD}	+5V	—
31	—	V_{LOAD}	-30V	—
32	OUT	A-CONT 0	Audio Control Signal 0 (Not used)	H/L
33	OUT	A-CONT 1	Audio Control Signal 1 (Not used)	H/L
34	OUT	AFT-DEF	AFT Defeat Signal	H
35	OUT	VPS-CHK	VPS-Check Signal	H
36	OUT	BAND 0	Tuner Band Set Signal 0	H
37	OUT	BAND 1	Tuner Band Set Signal 1	H
38	OUT	G 10	Display Grid Control Output	—
39	OUT	G 9	Display Grid Control Output	—
40	OUT	G 8	Display Grid Control Output	—
41	OUT	G 7	Display Grid Control Output	—
42	OUT	G 6	Display Grid Control Output	—
43	OUT	G 5	Display Grid Control Output	—
44	OUT	G 4	Display Grid Control Output	—
45	OUT	G 3	Display Grid Control Output	—
46	OUT	G 2	Display Grid Control Output	—
47	OUT	G 1	Display Grid Control Output	—
48	—	V_{DD}	+5V	—
49	IN	SD	Tuner Video Signal Sync Signal Input "L" at Sync Signal	L
50	IN	P-SFT	Power Voltage Failure Detect= "L" When Power On	L
51	IN	CAS-SW	Cassette IN/OUT Detector (IN/OUT Rotation= "H")	H
52	OUT	T-DAC	Tuner Tuning Voltage Control Signal	H or L
53	OUT	PAUSE	Pause Control	L
54	OUT	$\overline{P\text{-}ON}$	Power On Signal	L
55	OUT	C-F/R	Capstan Motor FWD/REV Control Signal (Forward= "L",Reverse ="H")	H/L
56	OUT	C-DRIVE	Capstan Motor Drive Signal Output (Rotation ="H",Stop ="L")	H
57	IN	DEW	Dew Sensor	L
58	IN	P-DOWN	Power Failure Derection Signal (Usually ="H",Power Voltage Down ="L")	L
59	OUT	S-DATA	Servo IC Data	—
60	OUT	S-CLOCK	Servo IC Timing Clock	—
61	OUT	DM-ON	Drum Rotation Control Signal Output (Rotation ="H")	H
62	OUT	A-MUTE	Sound Mute Signal	H
63	OUT	$\overline{TV/VCR}$	RF Modulator ON/OFF Signal (VCR Mode ="L")	L
64	—	—	—	—
65	—	V_{SS}	GND	—
66	IN	LD-D	Tape Loading Position Detector	—
67	IN	LD-C	Tape Loading Position Detector	—
68	IN	LD-B	Tape Loading Position Detector	—
69	IN	LD-A	Tape Loading Position Detector	—
70	IN/OUT	SDA	Memory IC Data	H/L
71	OUT	SCL	Memory IC Timing Clock	H
72	IN/OUT	VPS-DATA	VPS Interface Data H/L (VPT Interface Data H/L)	H/L
73	OUT	VPS-CLK	VPS Interface Clock (VPT Interface Clock)	H
74	OUT	TRIM OUT	Trimming Out	—
75	OUT	B/G-H	B/G, D/K Change Output (B/G="H")	H

PIN NO.	IN/OUT	SIGNAL NAME	FUNCTION	ACTIVE LEVEL
76	OUT	TV-SP	Canal Signal On/Off Detection Output (Not used)	L
77	OUT	$\overline{\text{D-PB}}$	Video/Audio Playback Control Output (Playback ="L")	L
78	IN	TRIM IN	Trimming IN	—
79	IN	RF-SW	Head Switching Pulse	H/L
80	IN	CTL-P	Control Pulse In	—
81	IN	REMOCON	Remote Control Input Signal	H
82	IN	KI 0	Key Scan Signal Input	H
83	IN	KI 1	Key Scan Signal Input	H
84	IN	KI 2	Key Scan Signal Input	H
85	IN	REC-SAF	Record Safety Tab Detect ("L" =Exsisting,"H" =None)	L
86	IN	$\overline{\text{RESET}}$	System Reset Signal (Usually ="H",Record ="L")	L
87	—	A Vss	GND	—
88	IN	KI 3	Key Scan Signal Input	H
89	IN	KI 4	Key Scan Signal Input	H
90	IN	AFC	Tuner AFC Voltage Input	—
91				
92	IN	ENV-D	Video Envelop Level Input	—
93	IN	START-S	Tape Start Position Detector	L
94	IN	END-S	Tape End Position Detector	L

IC und Transistor Pinbelegung
IC and transistor pin assignment



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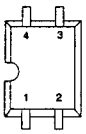

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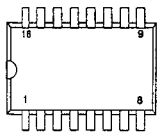

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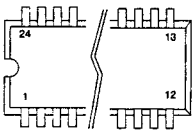

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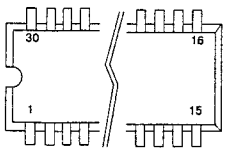

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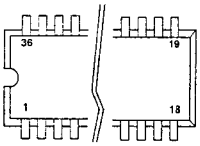

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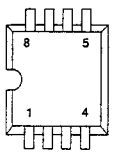

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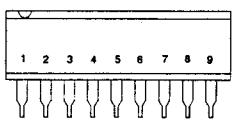

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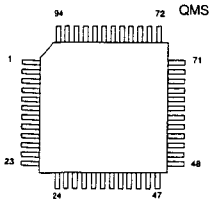
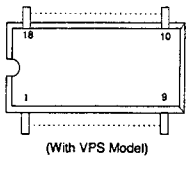
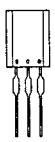


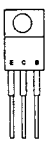
QMSQCORNE008

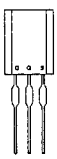


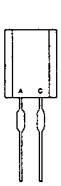
(With VPS Model)
SA4700


DTA124
DTA143
DTA144
DTC124
A1346

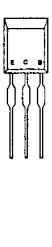
2SA608
2SA933
2SC536
2SC1740
2SC2058
2SC3400
2SC2839
2SD400
2SC4204

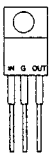

2SC3979
2SC4517
2SC3866


2SK128
2SK304

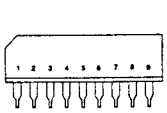

L5631

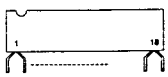
A: Anode
C: Cathode


2SD1581


AN7812
NJM7812

SG-211

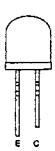

LA7910


BA7025

(W/O MESECAM Model)

(W/O 1BAND Model)
LA7210

AN78L05
NJM78L05A

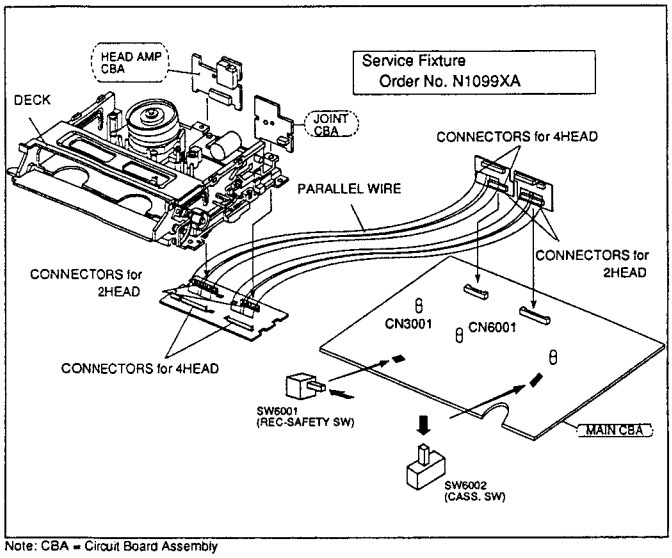

RPT-38PB3F

T529D

Service-Adapter und Service Mode

Der Service-Adapter

- Bauen Sie die komplette Mechanik aus; nötigenfalls auch die Hauptplatine
- Verbinden Sie mit dem Service-Adapter (70 410 00) die Mechanik und die Hauptplatine wie im Bild dargestellt.



Note: CBA = Circuit Board Assembly

Service Mode

- In diesem Gerät wurden als Start- und Endsensor eine Lichtschranke eingebaut.
- Stecken Sie den Service-Stecker CN 6005 siehe Abb. "A" in Service Position wie in Abb. "C" dargestellt oder verdecken Sie Start- und Endsensor mit Gewebeband.

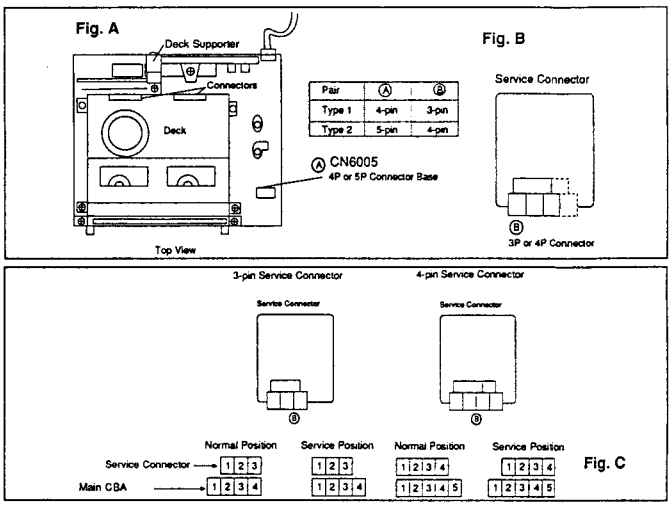
Achtung: Spulen Sie keine Cassetten an den Bandanfang oder das Bandende das sie durch die außer Betrieb gesetzten Endsensoren beschädigt werden könnten. Dies gilt sinngemäß auch für die Wiedergabe.

- Da die Mechanik direkt über der Hauptplatine eingebaut wurde, und sich der Schalter für den Ladevorgang (SW 6002) und der Aufnahmesperrschalter (SW 6001) auf der Hauptplatine befinden, müssen diese Schalter bei ausgebauter Mechanik manuell betätigt werden.
- Zum Einlegen und Entnehmen einer Cassette muß der Schalter (SW 6002) betätigt werden.
- Um aufzunehmen muß der Schalter (SW 6001) gleichzeitig mit der Aufnahmetaste betätigt werden.

Service fixture and service mode

Service fixture

- Remove the deck mechanism assembly. If needed, remove the main P.C.B.
- Connect the deck mechanism assembly and the main P.C.B. by using the service fixture as shown in the figure below.



Service mode

- Optical sensor system is used for tape start and end sensors of this equipment.
- There is service connector CN 6005 in the unit as shown in Fig. A. Connect the service connector as shown in the Fig. C, or cover tape start and end sensors with insulation tape.

Note: Do not run a tape all the way to start or end of the tape to avoid tape damage due to inactive tape end sensors.

- The deck mechanism assembly is mounted on the main P.C.B. directly, and cassette loading switch (SW 6002) and REC-safety switch (SW 6001) are mounted on the main P.C.B.. When deck mechanism assembly is removed from the main P.C.B. due to servicing, these switches can not be operated automatically.
- To insert or eject the tape, press the switch SW 6002 manually on the main P.C.B..
- When you want to record, press the REC button while pushing the switch SW 6001 on the main P.C.B..

Abgleichanweisung

Vorbereitung

Nach Austausch von elektronischen Bauelementen und bestimmten mechanischen Teilen sind elektrische Einstellungen erforderlich. Diese Einstellungen dürfen erst vorgenommen werden, nachdem alle Reparaturen und Auswechselungen erfolgt sind. Führen Sie die Einstelllungen auch nur durch, wenn Ihnen die richtige Ausrüstung zur Verfügung steht.

Erforderliche Prüfausrüstung

- Zweistrahloszilloskop (10:1)
- Frequenzzähler
- Farbmonitor
- Testbildgenerator (Farbbalken mit 100% Weiß)
- AC-Voltmeter
- Meßcassette "Grautreppe"

Alignment procedure

Note

Electrical adjustments are required after replacing ciruit components and certain mechanical parts. It is important to perform these adjustments only after all repairs and replacements have been completed. Also, do not attempt these adjustments unless the proper equipment is available.

Test equipment required

- Oscilloscope: Dual-trace with 10:1 probe
- Frequency counter
- TV Monitor
- Pattern generator (Colour bar with 100% white)
- AC Voltmeter
- Test tape F6-A, F6-HI

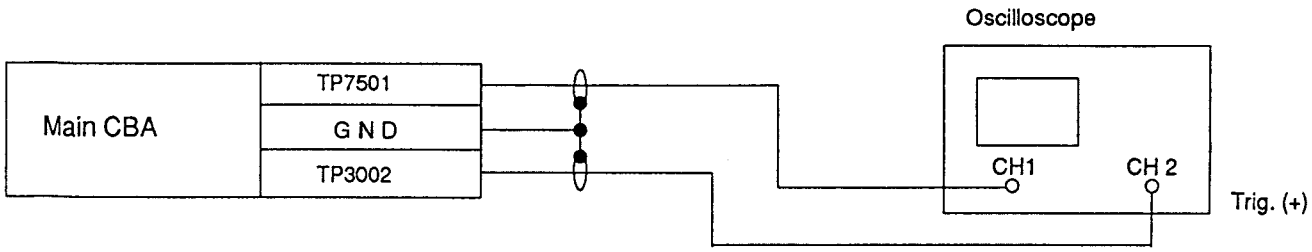
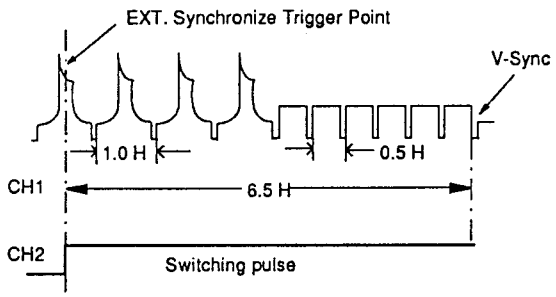
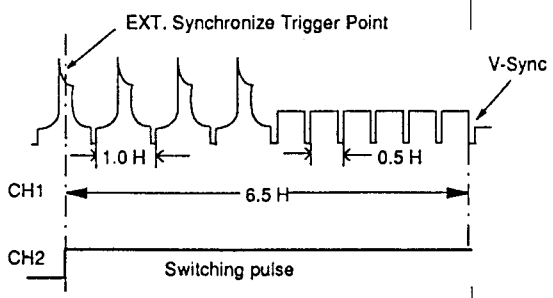


Bild 1

Nr.	Gegenstand	Prüf-punkt	Einstell-punkt	Vorgehensweise	Anschluß-schema
1	Schaltpunkt-einstellung Testband »Grautreppe« Betriebsart »Play«	TP 7501 TP 3002	VR 2001	1. Kanal 1 an TP5701 anschließen. 2. Ext. Trigger an TP3002 anschließen. 3. Mit VR2001 Umschaltzeitpunkt auf auf 6,5 Zeilen einstellen. 	Bild 1

No.	Item	Test-point	Adjustment point	Method	Connection figure
1	Switching point adjustment Test tape (F6-A)	TP 7501 TP 3002	VR 2001	1. Connect CH1 to TP5701 of VIDEO-OUT and CH2 to TP3002 and set EXT. Trigger mode (+) Trigger. 2. Playback the tape and adjust VR2001 so that the V-sync. front edge of CH1 video output waveform comes to the position where 6.5 H is delayed from the rising of CH2 head switching pulse waveform. 	Fig. 1

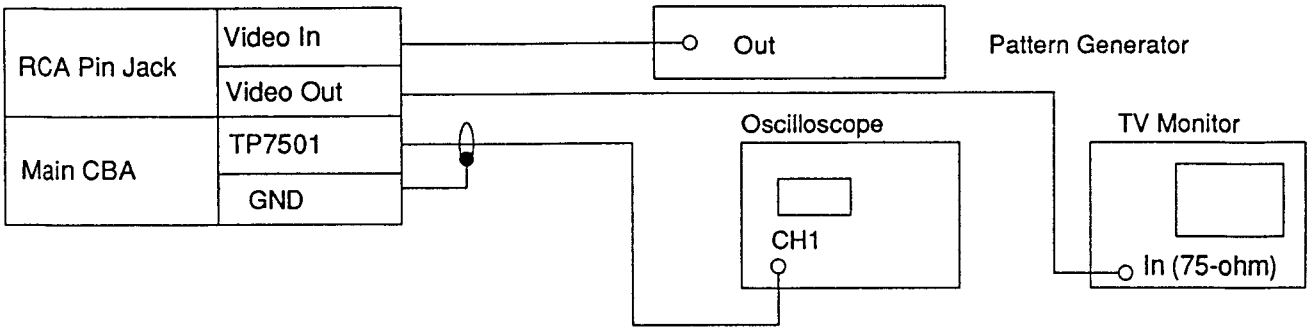
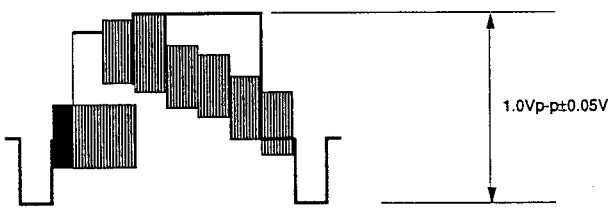
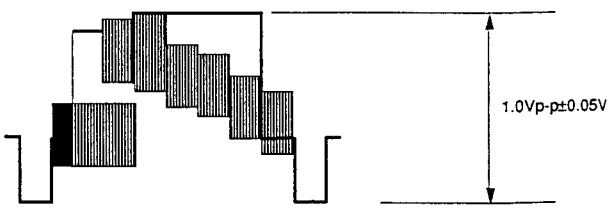


Bild 2

Nr.	Gegenstand	Prüf-punkt	Einstell-punkt	Vorgehensweise	Anschluß-schema
2	Einstellung E-E Pegel	TP 7501	VR 3003	1. Gerät anschließen wie im Bild gezeigt. 2. Farbbalkensignal mit 100% Weiß an Videoeingang einspeisen. 3. Mit Regler VR3003 Pegel auf 1 Vss ± 0,05 V einstellen. 	Bild 2

Nr.	Item	Test-point	Adustment point	Method	Connection figure
2	E-E level adjustment	TP 7501 (E-E)	VR 3003 (E-E)	1. Connect the equipment as shown in Fig. 2. 2. Input colour bar signal with 100% white to video input. 3. Adjust VR3003 so that the video level becomes 1 Vp–p ± 0.05 V. 	Fig. 2

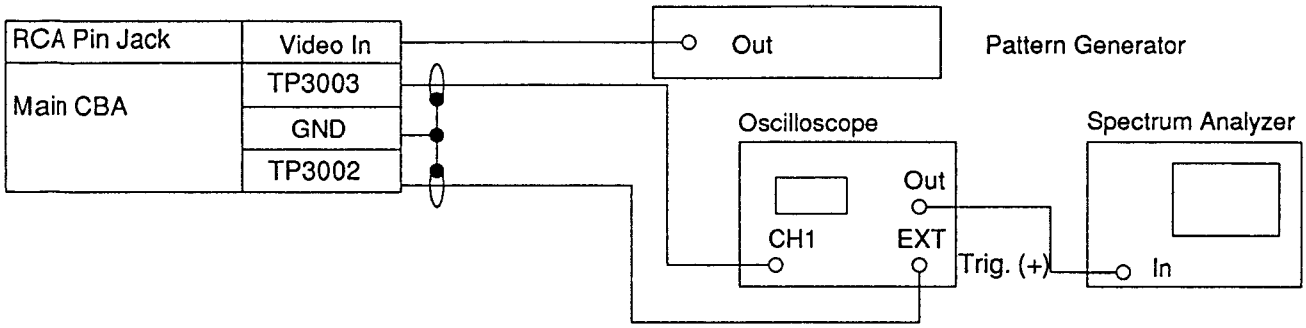
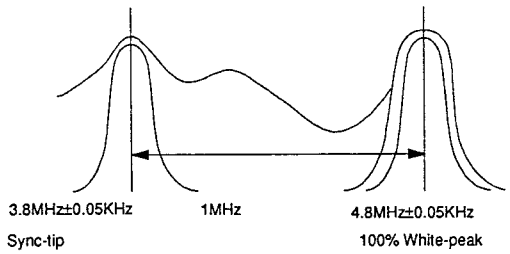
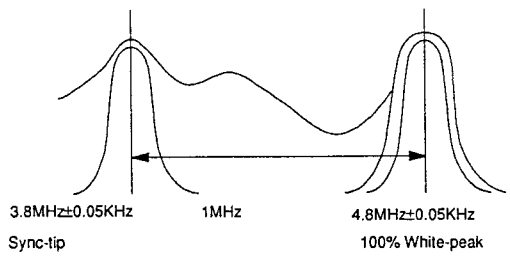


Bild 3

Nr.	Gegenstand	Prüf-punkt	Einstell-punkt	Vorgehensweise	Anschluß-schema
3	Einstellung FM Carrier und Deviation (Aufnahme)	TP 3003 TP 3002	VR 3004 VR 3001	1. Gerät anschließen wie im Bild gezeigt. 2. Farbbalkensignal mit 100% Weiß am Videoeingang einspeisen. 3. Mit Regler VR3004 Synchronspitze auf 3,8 MHz ± 50 kHz einstellen, mit Regler VR3001 Weißwertspitze auf 4,8 MHz ± 50 kHz einstellen.  	Bild 3

No.	Item	Test-point	Adustment point	Method	Connection figure
3	FM carrier deviation adjustment (Aufnahme)	TP 3003 TP 3002	VR 3004 VR 3001	1. Connect the equipment as shown in Fig. 3. 2. Input colour bar signal with 100% white to video input. 3. Adjust Sync-tip to 3.8 MHz ± 50 kHz by VR3004, white-peak to 4.8 MHz ± 50 kHz by VR3001.  	Fig. 3

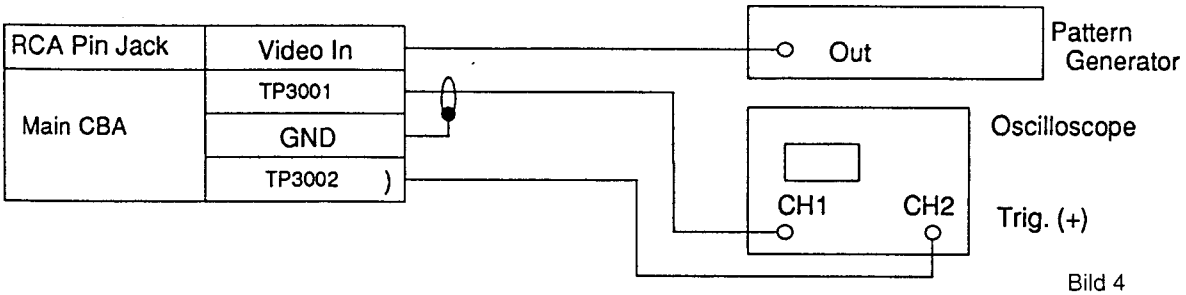
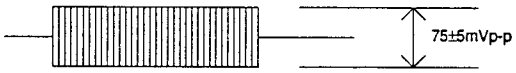
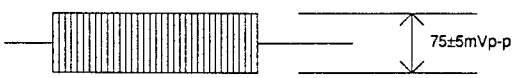


Bild 4

Nr.	Gegenstand	Prüf-punkt	Einstell-punkt	Vorgehensweise	Anschluß-schema
4	Einstellung des Aufzeich-nungsstromes (Aufnahme)	TP 3001 TP 3002	VR 3002	1. Gerät anschließen wie im Bild gezeigt. 2. Rotsignal an Videoeingang einspeisen. 3. Mit VR3002 Chromapegel auf 75 m Vss ± 5 mV einstellen. 	Bild 4

No.	Item	Test-point	Adustment point	Method	Connection figure
4	Record current adjustment (Record)	TP 3001 TP 3002	VR 3002	1. Connect CH1 of oscilloscope across TP3001 and ground. 2. Connect CH2 of oscilloscope to TP3002. 3. Input red only signal to video input. 4. Adjust VR3002 so that chroma level becomes 75 mVp-p ± 5mV. 	Fig. 4

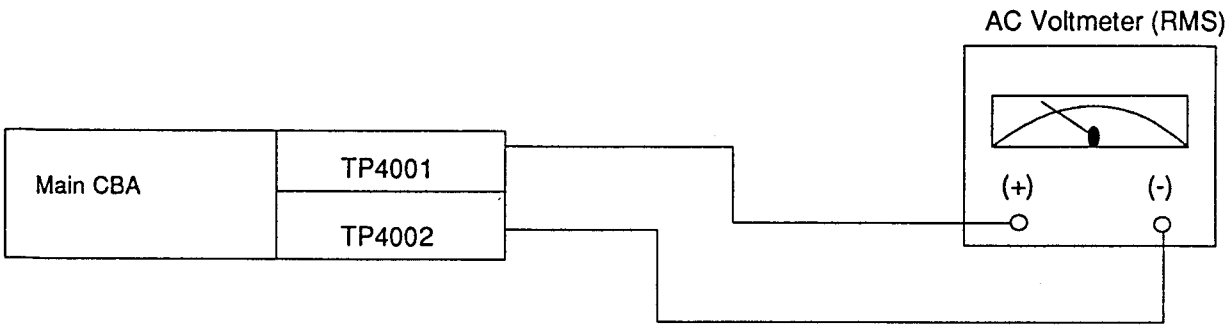


Bild 5

Nr.	Gegenstand	Prüf-punkt	Einstell-punkt	Vorgehensweise	Anschluß-schema
5	Vormagnetisie-rungsstrom	TP 4001 TP 4002	VR 4001	1. Leerband auflegen und Gerät aufnehmen lassen. (Nicht auf »Pause« stellen, da hierbei die Vormagnetisierung abgeschaltet ist.) 2. WS-Voltmeter an TP4001 und TP4002 anschließen. 3. VR4001 so einstellen, daß die Spannung 25 mV ± 2 mV wird.	Bild 5

No.	Item	Test-point	Adustment point	Method	Connection figure
5	REC bias current	TP 4001 TP 4002	VR 4001	1. Set the REC status by the blank tape. (Do not set the PAUSE. In PAUSE mode, the bias oscillation is stopped.) 2. Connect the AC voltmeter to TP4001 and TP4002. 3. Adjust VR4001 so that the voltage becomes 25 mV ± 2 mV.	Fig. 5

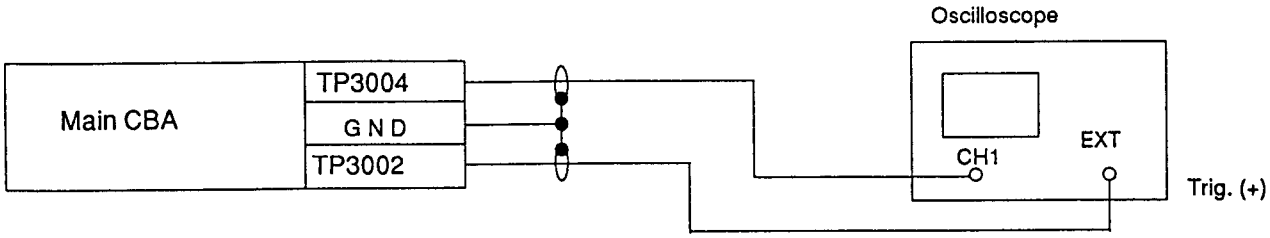
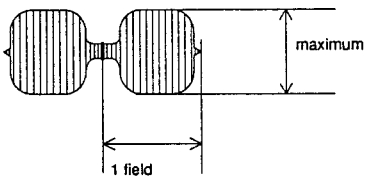
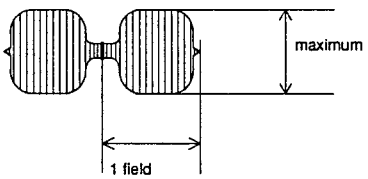


Bild 6

Nr.	Gegenstand	Prüf-punkt	Einstell-punkt	Vorgehensweise	Anschluß-schema
6	SECAM- ½-fH-Abstimm-einstellung (Betriebsart Aufnahme) Leerband	TP 3004 TP 3002	T 3001	1. Das Gerät wie in Bild 6 gezeigt anschließen. 2. T3001 auf maximalen Ausgangspegel einstellen. 	Bild 6

* Anmerkung: Einstellung nur beim ME-SECAM-Modell vornehmen.

No.	Item	Test-point	Adustment point	Method	Connection figure
6	SECAM ½ fH Tune adjustment (REC. Mode) Blank tape	TP 3004 TP 3002	T 3001	1. Connect CH1 of oscilloscope across TP181 and ground. 2. Adjust by T3001 so that output level becomes maximum. 	Fig. 6

* Note: Require this adjustment for ME-SECAM model only.

Ersatzteilliste elektrische Teile
Spare parts list electrical parts

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisguppe Price-key
70 304 00	Hauptplatine kpl.	MCV P.C.B. assembly		
70 381 00	Display / IR-Empfänger-Platine	TMV P.C.B. assembly		
70 305 00	Kopfverstärker-Platine	PRV P.C.B. assembly		
45 251 00	IR-Empfänger	Infrared receiver		B 5
70 306 00	Anzeigedisplay	F.I.P. 10-BT-1036 BK		C 9
70 307 00	Tuner-ZF-Converter kpl.	Tuner/IF/convertor unit		F 3
60 588 00	Tuner-ZF-Einheit	Tuner unit	TU 7101	G 5
60 029 00	HF-Modulator	RF-Convertor	CO 7101	E 1
70 308 00	Netztrafo	Pulse trans ETS 29 K 468 V	T1001	C 5
45 273 00	Verbindungskabel RCA	RCA plug cord		A 8
70 410 00	Service-Adapter	Service fixture		C 3

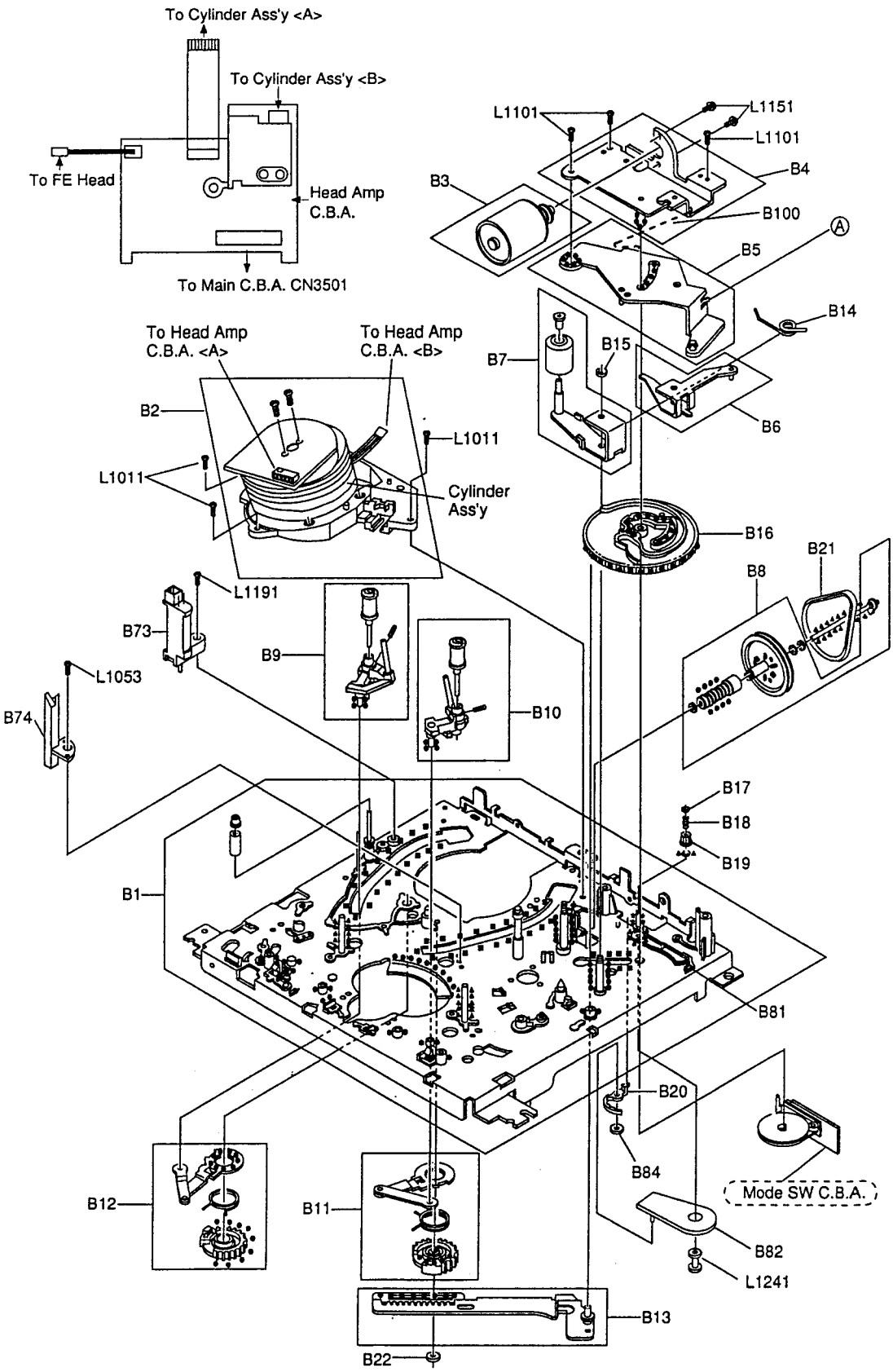
Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisguppe Price-key
70 309 00	IC PC 111 LY 2	IC PC 111 LY 2	IC 1001	
40 353 00	IC AN 7812 F	IC AN 7812 F	IC 1501	B 1
40 346 00	IC AN 78 L 05	IC AN 78 L 05	IC 1502	A 7
70 310 00	IC BU 2845 S	IC BU 2845 S	IC 2001	C 5
70 311 00	IC BA 10324	IC BA 10324	IC 2002	A 7
70 312 00	IC LA 7390 A	IC LA 7390 A	IC 3001	D 3
60 032 00	IC LC 8992	IC LC 8992	IC 3003	B 9
70 313 00	IC LA 7282	IC LA 7282	IC 4001	B 2
70 314 00	IC Prozessor 8 bit	IC Processor 8 bit	IC 6001	D 6
70 315 00	IC TA 7291 S	IC TA 7291 S	IC 6003	B 0
70 316 00	IC PST 529 F-2	IC PST 529 F-2	IC 6004	A 7
60 035 00	IC X 24 C 01 P	IC X 24 C 01 P	IC 6005	C 2
40 346 00	IC AN 78 L 05	IC AN 78 L 05	IC 6006	A 7
29 577 00	IC LA 7210	IC LA 7210	IC 7001	C 0
60 221 00	IC LA 7910	IC LA 7910	IC 7002	B 1
40 356 00	IC L 5631	IC L 5631	IC 7003	A 7
70 317 00	IC BU 4053 B	IC BU 4053 B	IC 7501	A 8
70 318 00	IC LA 7370	IC LA 7370	IC 3501	B 3
70 319 00	Transistor 2 SC 4204	Transistor 2 SC 4204	Q 1001	A 4
70 320 00	Transistor 2 SC 4517	Transistor 2 SC 4517	Q 1002	B 2
34 692 00	Transistor 2 SC 1740 Q	Transistor 2 SC 1740 Q	Q 1003	A 4
34 601 00	Transistor 2 SA 933 Q	Transistor 2 SA 933 Q	4–5	A 6
70 321 00	Transistor 2 SD 1581	Transistor 2 SD 1581	Q 1501	
40 368 00	Transistor DTA 143 XS	Transistor DTA 143 XS	Q 1504	A 2
37 406 00	Transistor DTC 124 ES	Transistor DTC 124 ES	Q 1507	A 3
45 262 00	Transistor DTA 124 ES	Transistor DTA 124 ES	Q 2002	A 2
32 754 00	Transistor 2 SC 2058	Transistor 2 SC 2058	Q 3001	A 5
48 116 00	Transistor DTA 144 WS	Transistor DTA 144 WS	Q 3004	B 1
70 322 00	Transistor RPT 38 PB 3 F Photo	Transistor RPT 38 PB 3 F Photo	Q 6001	A 5
44 763 00	Transistor 2 SD 400	Transistor 2 SD 400	Q 6003	A 2
40 365 00	Transistor 2 SK 128 P FET	Transistor 2 SK 128 P FET	Q 7003	A 7
45 475 00	Transistor 2 SD 1468	Transistor 2 SD 1468	Q 7005	A 5
70 323 00	Diode S1 WB 60	Diode S1 WB 60	D 1001	
70 324 00	Diode EG 01C	Diode EG 01C	D 1002	A 5
34 492 00	Diode 1 SS 254	Diode 1 SS 254	D 1003	A 1
06 872 00	Zenerdiode MTZ 5.1	Zenerdiode MTZ 5.1	S 1006	A 1
70 325 00	Schaltdiode MA 188	Switching Diode MA 188	D 1008	A 1
46 536 00	Diode EK 14 Schottky	Diode EK 14 Schottky	D 1009	A 6
70 326 00	Diode AK 03	Diode AK 03	D 1011	A 3
70 327 00	Schaltdiode MA 178	Switching Diode MA 178	D 1012	
21 352 00	Zenerdiode MTZ 5,6	Zenerdiode MTZ 5.6	D 1014	A 3
02 441 00	Zenerdiode MTZ 6,8	Zenerdiode MTZ 6.8	D 1501	A 5
46 494 00	Zenerdiode MTZ 11	Zenerdiode MTZ 11	D 1503	A 3
70 328 00	Leuchtdiode SIR-481 ST 3F	LED SIR-481 ST 3F	D 6002	A 5
70 329 00	Elko rad. 47 μ / 400 V	Elko rad. 47 μ / 400 V	C 1006	B 4
32 346 00	Filter FK OB 160 MH 16	Filter FK OB 160 MH 16	L 1001	B 2
70 330 00	Filter 68 MH ELF - 18 D 222 FN	Filter 68 MH ELF - 18 D 222 FN	L 1002	B 3
70 331 00	Metox 4R7 2W	Metal resistor 4R7 2W	R 1002	A 2
70 332 00	Metox 82K 2W	Metal resistor 82K 2W	R 1009	A 2
70 333 00	Metox 82R 1W	Metal resistor 82R 1W	R 1013	A 1
26 542 00	Metox 1R 1W	Metal resistor 1R 1W	R 1014	A 1
26 543 00	Sicherungswiderstand 10R ½W	Fuse resistor 10R ½W	R 1023	A 3
70 334 00	Metox 270K 1W	Metal resistor 270K 1W	R 1025	A 1
66 132 00	Metox 330K 1W	Metal resistor 330K 1W	R 1026	A 1
40 371 00	Metox 330R 1W	Metal resistor 330R 1W	R 3036	A 1
31 966 00	Metox 2R7 1W	Metal resistor 2R7 1W	R 6008	A 1

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisguppe Price-key
70 413 00	Mode Switch	Mode Switch	SW 2901	
70 335 00	Taster EVQ	Switch EVQ	SW 5501	B 2
70 336 00	Schalter	Switch	SW 6001	A 5
70 337 00	Taster	Switch	SW 6002	A 4
70 338 00	Taster	Switch	SW 6003	A 4
70 339 00	Trimmpoti 100 K	SFR 100 K	VR 2001	A 3
70 340 00	Trimmpoti 4K7	SFR 4K7	VR 3001	A 3
70 341 00	Trimmpoti 2K2	SFR 2K2	VR 3002	A 3
46 679 00	Quarz 4,433619 MHz	Crystal 4.433619 MHz	X 3001	B 7
60 231 00	Quarz 32 kHz	Crystal 32 kHz	X 6001	A 9
60 230 00	Keramikschwingkreis 4,19 MHz	Ceramic resonator 4.19 MHz	X 6002	A 7
21 318 00	Keramikschwingkreis 500 kHz	Ceramic resonator 500 kHz	X 7001	A 2
70 342 00	Wickelsensor SG 211 L	Reel sensor SG 211 L	IC 6002	B 0
70 343 00	Feuchtigkeitssensor EY HS 77X	Dew sensor EY HS 77X	S 6001	B 1

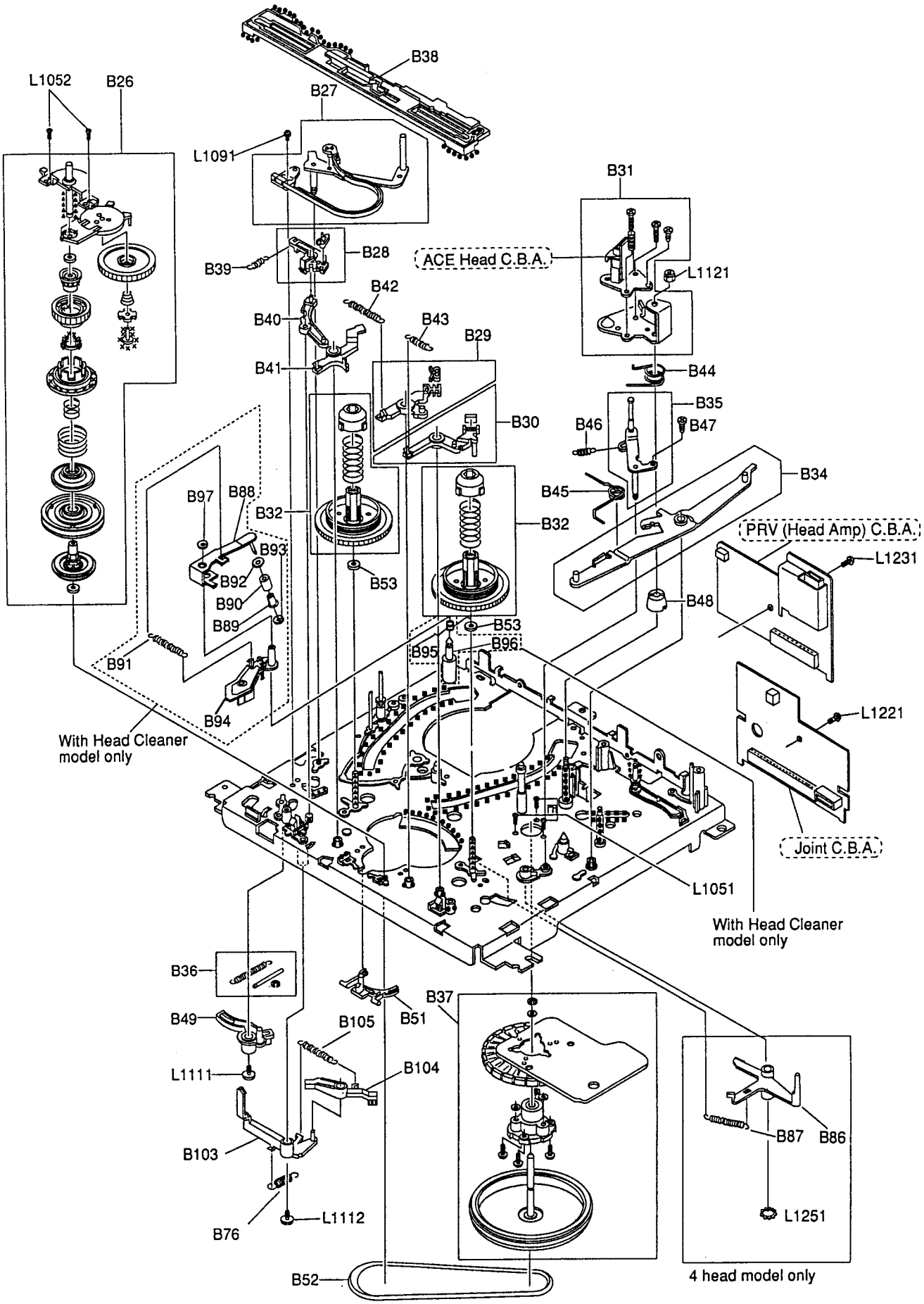
Ersatzteilliste Mechanik
Spare parts list mechanism

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisguppe Price-key
70 344 00	Zylinder kpl.	Cylinder assembly	B 2	F 5
70 345 00	Lademotor	LDG Motor preparation	B 3	
70 346 00	Bandandruckrolle kpl.	Pinch arm assembly	B 7	C 3
70 347 00	Riemenscheibe kpl.	Pulley assembly	B 8	
70 348 00	Führung links kpl. m. Rolle	Moving guide S assembly	B 9	
70 349 00	Führung rechts kpl. m. Rolle	Moving guide T assembly	B 10	
70 350 00	Ladearm A kpl.	Loading arm A assembly	B 11	
70 351 00	Ladearm B kpl.	Loading arm B assembly	B 12	
70 352 00	Ladearm M kpl. (Zahnschiene)	Loading arm M assembly	B 13	A 6
70 353 00	Feder Bandandruckrolle	Pinch roller SP	B 14	A 1
70 354 00	Kurvenzahnrad	Cam	B 16	A 6
70 355 00	Laderiemen	Belt loading	B 21	A 3
70 356 00	Rutschkupplung kpl.	Clutch block assembly	B 26	
70 357 00	Bremsband kpl.	Band brake assembly	B 27	
70 358 00	Hauptbremshebel links kpl.	Main brake S assembly	B 28	
70 359 00	Hauptbremshebel rechts kpl.	Main brake T assembly	B 29	
70 360 00	Bremshebel rechts kpl.	T brake arm assembly	B 30	
70 361 00	Audio-Kontroll-Knopf	Audio control head assembly	B 31	
70 362 00	Wickelteller kpl.	Reel base assembly	B 32	
70 363 00	Capstanmotor mit Schwungmasse	Capstan motor	B 37	D 9
70 364 00	Hebelleiste „Mode“	Mode change lever	B 38	A 4
70 365 00	Feder Audio-Kontroll-Kopf	Head adjust spring	B 44	A 2
70 366 00	Feder Hebel M	M lever spring	B 45	A 1
70 367 00	Riemen Schwungmasse FWD	Belt FWD	B 52	A 4
70 368 00	Gleitstück Cassette links kpl.	C. slider L assembly	B 55	
70 369 00	Gleitstück Cassette rechts kpl.	C. slider R assembly	B 56	
70 370 00	Seitenteil C-Fach rechts	Cassette guide R assembly	B 57	
70 371 00	Zahnrad Lift links	C.D. gear L assembly	B 58	
70 372 00	Zahnrad Lift rechts	C.D. gear R assembly	B 59	
70 373 00	Seitenteil C-Fach links	Cassette guide L	B 63	A 6
70 374 00	Zahnrad Verriegelung Lift rechts	Interlocking gear R	B 64	A 2
70 375 00	Öffner CF-Klappe	Front door opener	B 65	A 2
70 376 00	Zahnrad Verriegelung Lift links	Interlocking gear L	B 66	A 2
70 377 00	Löschkopf	FE Head	B 73	B 6
70 378 00	Prisma Lichtschranke	Luminescence prism	B 74	A 5
70 379 00	Prisma C-Fach rechts	Prism R	B 77	A 5
70 380 00	Prisma C-Fach links	Prism L	B 78	A 5

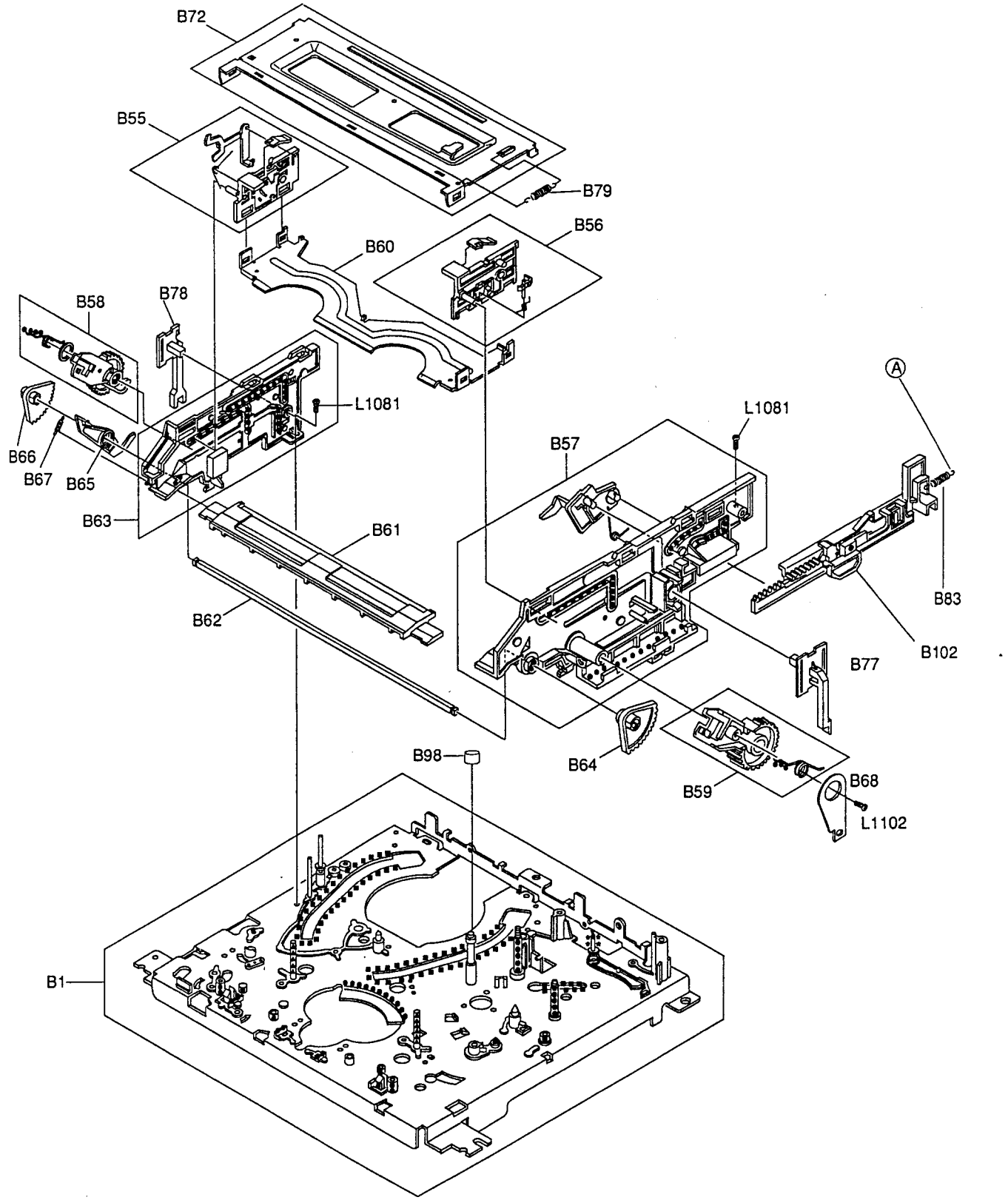
Explosionsdarstellung Mechanik
Exploded view mechanism



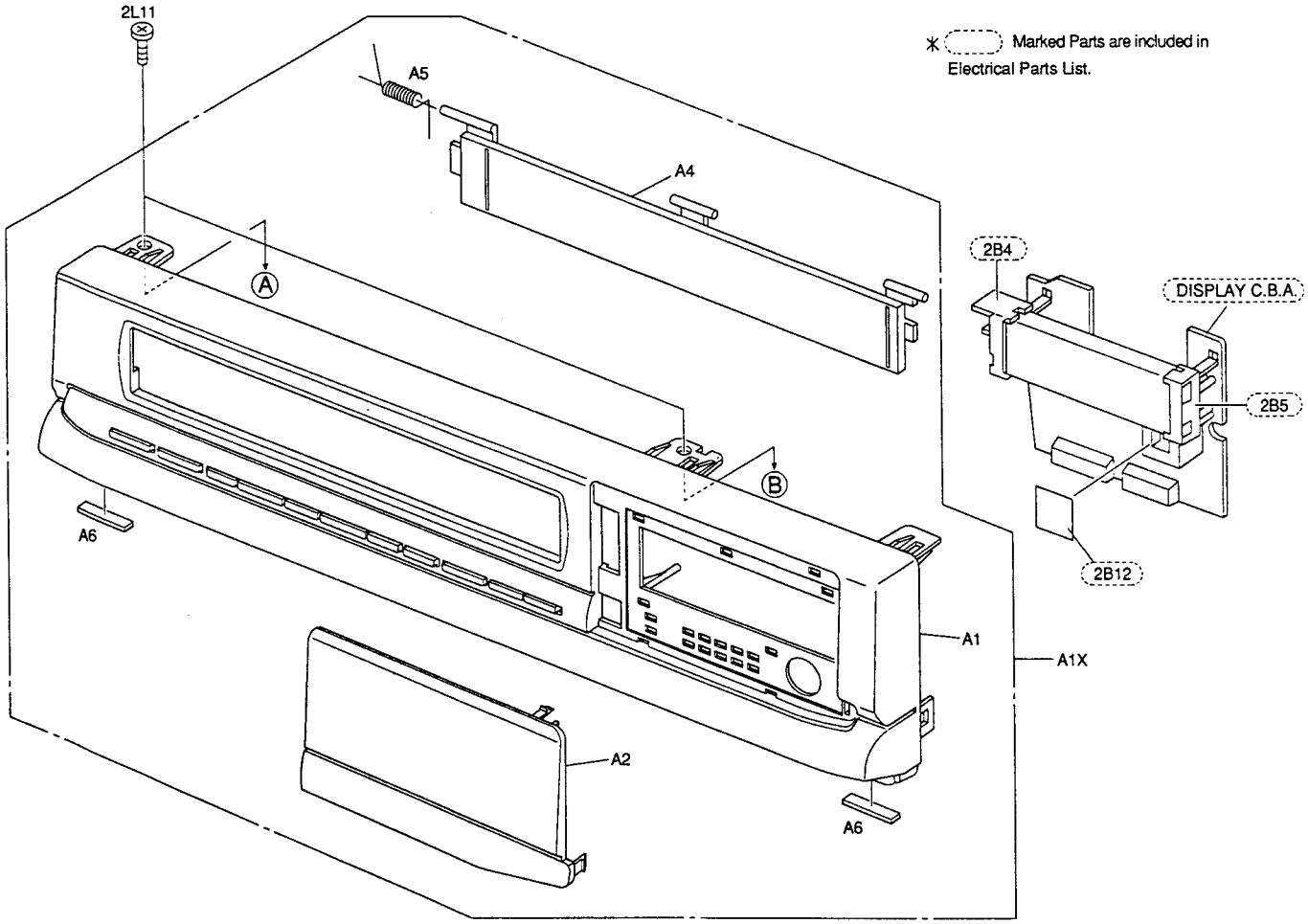
Explosionsdarstellung Mechanik
Exploded view mechanism



Explosionsdarstellung Mechanik
Exploded view mechanism



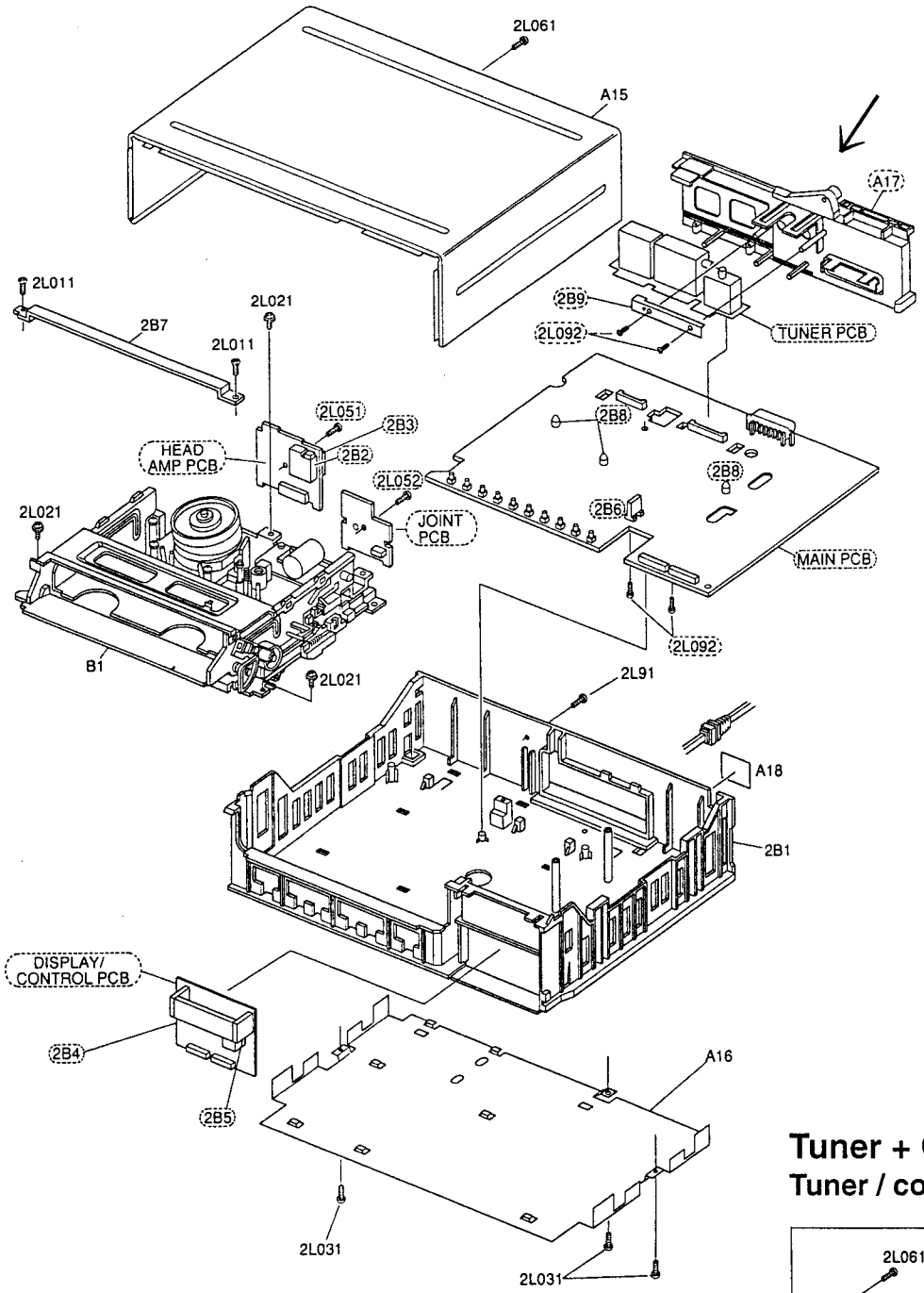
Explosionsdarstellung Frontblende
Exploded view front panel



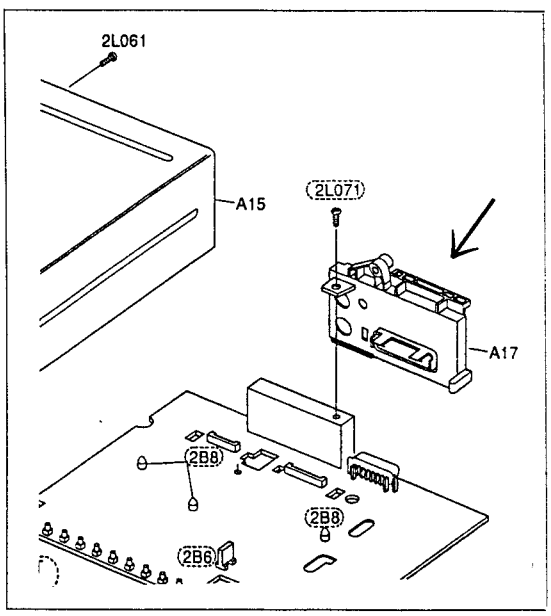
Ersatzteilliste Gehäuseteile
Spare parts list housing parts

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisguppe Price-key
70 298 00	Frontblende kpl.	Front panel assembly	A1 X	
70 299 00	Blende Display	Panel counter	A 2	B 5
70 300 00	Cassettenfachklappe	Door cassette	A 4	B 1
70 301 00	Feder CD-Klappe	Spring door	A 5	
70 302 00	Gehäuseoberteil	Case top	A 15	C 3
70 303 00	Fernbedienungsgeber	Remote control		D 0

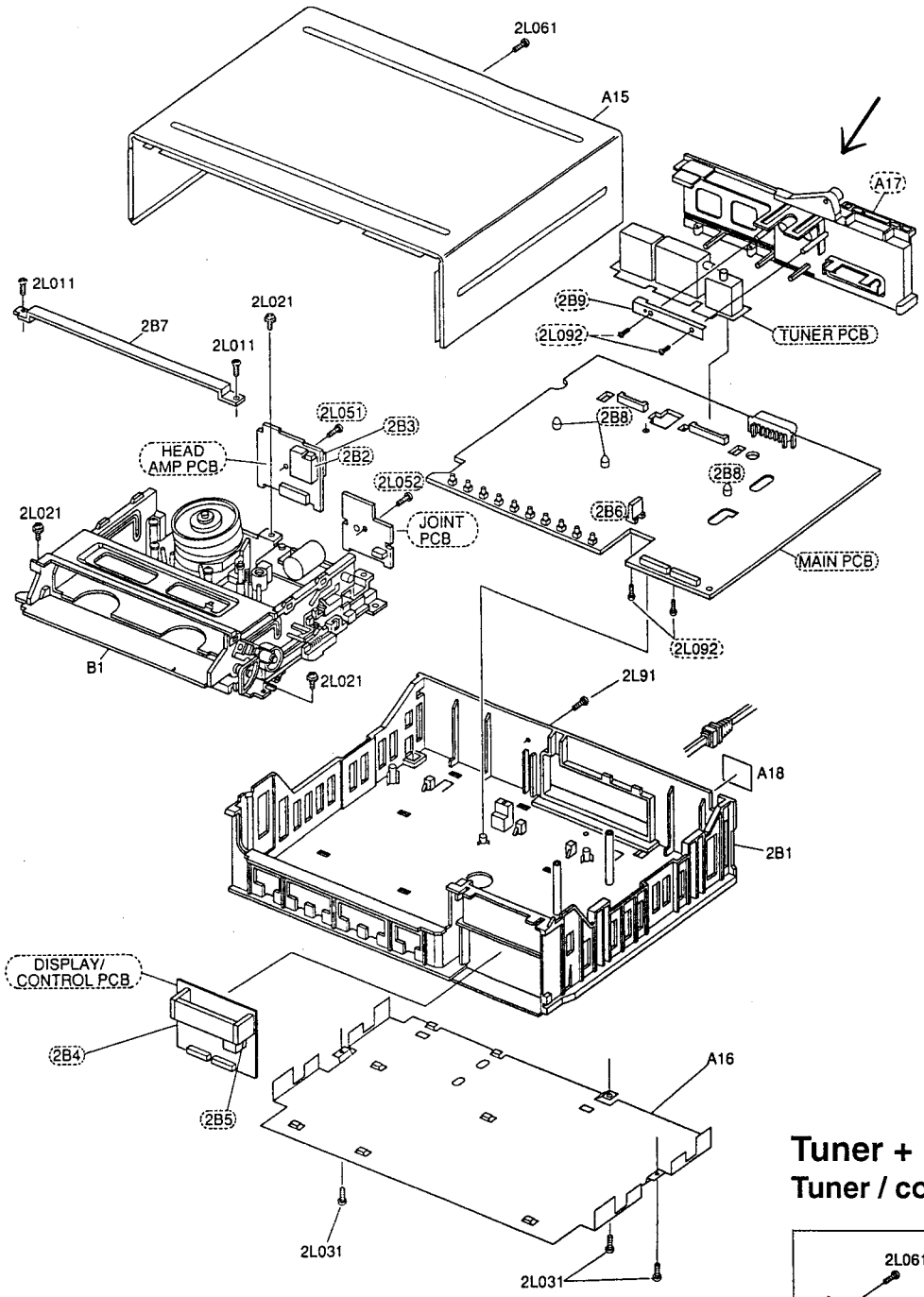
Explosionsdarstellung Gehäuse (Tuner + Convertor getrennt)
Exploded view housing (tuner 2 pieces type)



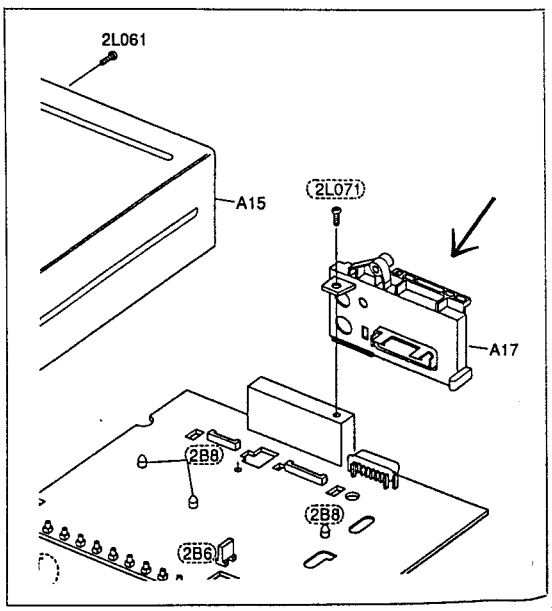
Tuner + Convertor kombiniert
Tuner / convertor 1 piece type



Explosionsdarstellung Gehäuse (Tuner + Convertor getrennt)
Exploded view housing (tuner 2 pieces type)

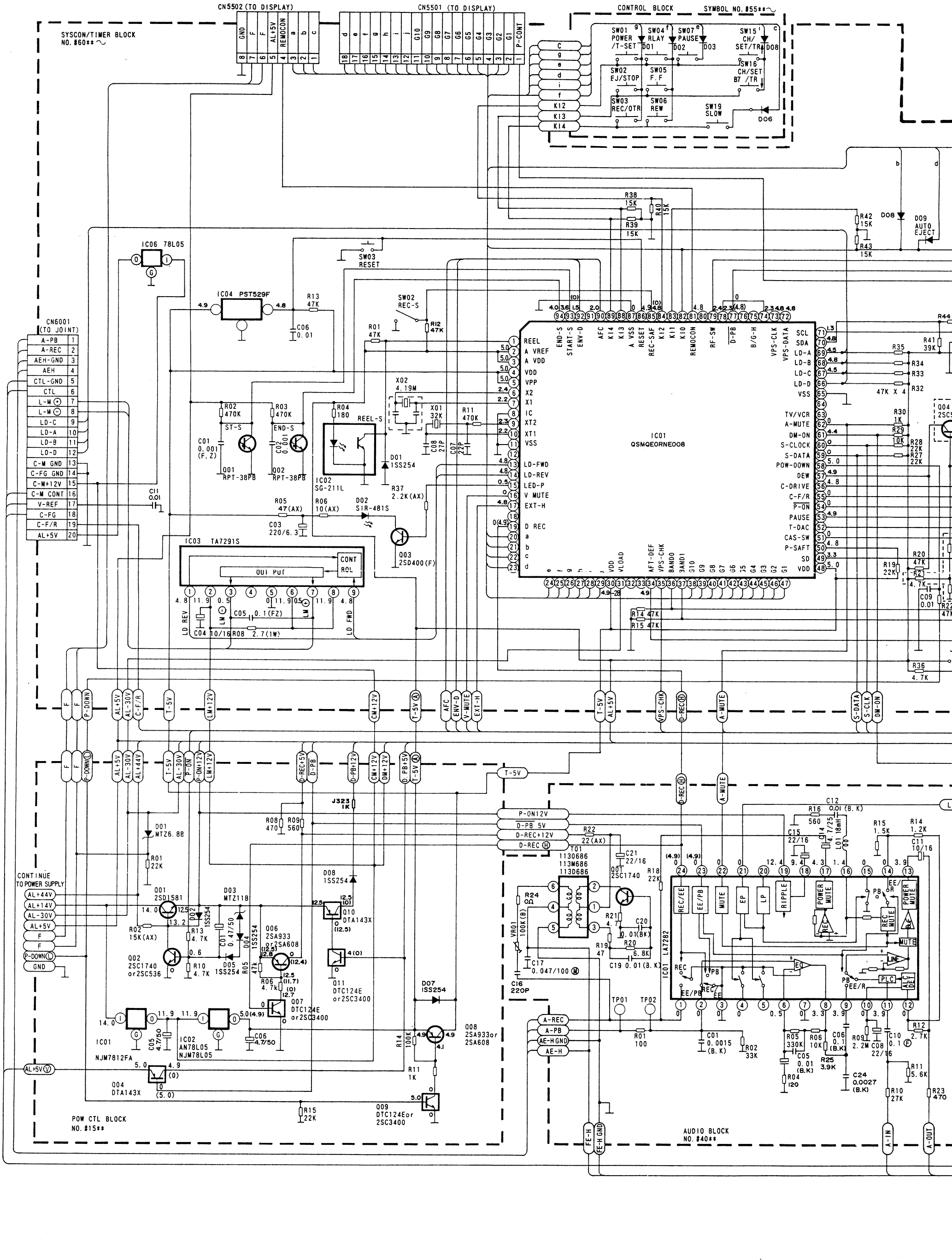


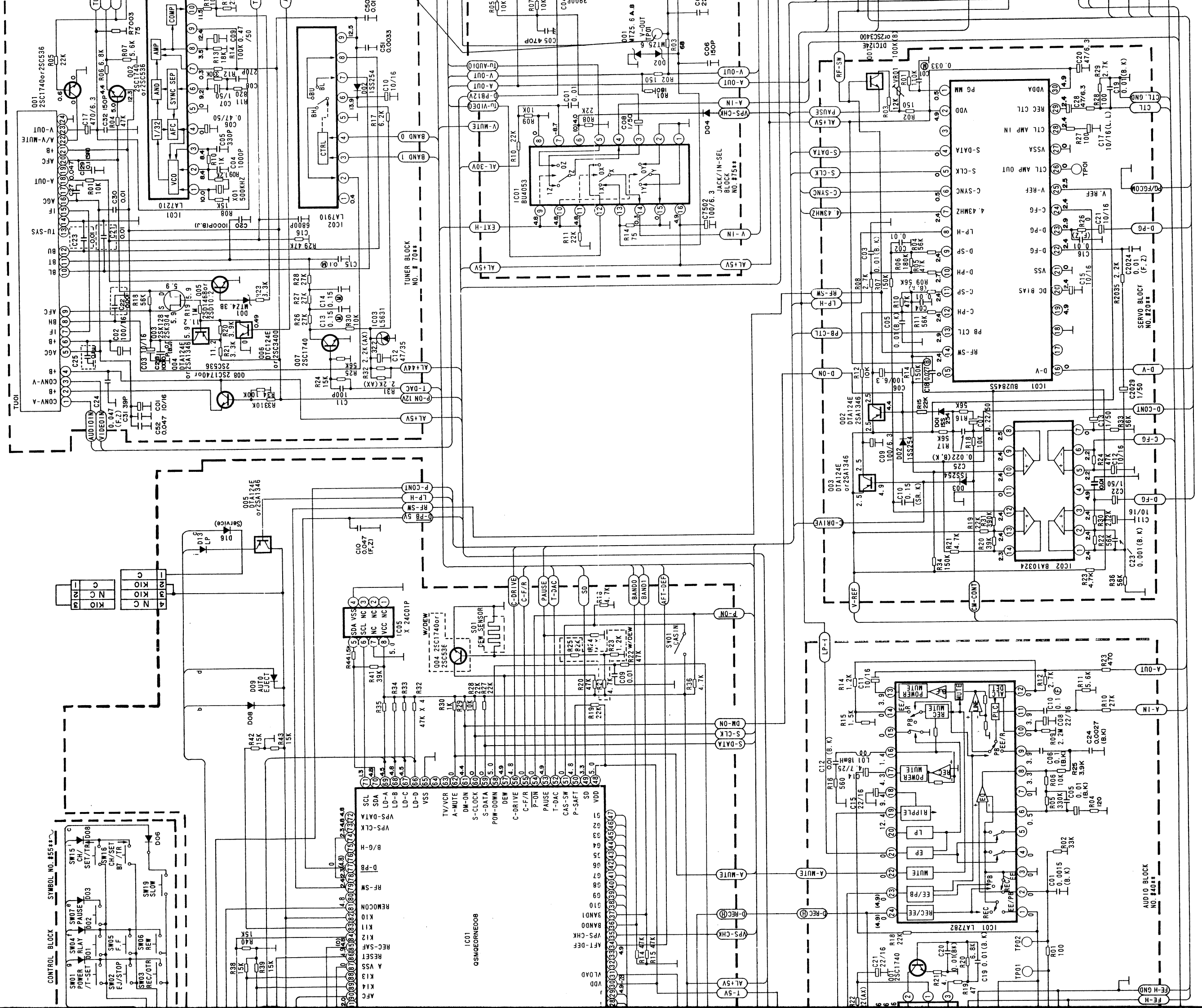
Tuner + Convertor kombiniert
Tuner / convertor 1 piece type



Schaltbild System Control / Servo (Tuner + Convertor kombiniert)

Circuit diagram system control / servo (tuner / convertor 1 piece type)




TUNER BLOCK NO. # 701#
AUDIO BLOCK NO #401#
SERVO BLOCK NO. #203#
CONTROL BLOCK SYMBOL NO. #55#
JACK/IN-SEL BLOCK NO. #751#
ICO1 QSMQEORNEOO8
ICO1 LA7210
ICO2 LA7910
ICO1 BU4053
ICO1 BU2845S
ICO1 LA7282
ICO2 BA10324
ICO5 X 24C01P
SW01 POWER /T-SET
SW02 EJ/STOP
SW03 REC/OTR
SW04 RLAY
SW05 F.F
SW06 REW
SW07 PAUSE
SW15 CH/ SET/TR
SW16 CH/SET B7 /TR
SW19 SLOW
D16 (Service)
D09 AUTO EJECT
D08
D06
AUDIO IN
VIDEO IN
CONV-A
CONV-V
A/V-MUTE
V-OUT
A-OUT
AFC
AGC
IF
TU-SYS
BU
BT
BL
BH
+B
RF-SW
LP-H
PB-CTL
D-ON
D-REC
D-PB
REMCON
K10
K11
K12
K13
K14
AFC
RESET
REC-SAF
BAND0
BAND1
VPS-CHK
AFT-DEF
VLOAD
VDD
SCL
SDA
LD-A
LD-B
LD-C
LD-D
VSS
TV/VCR
A-MUTE
DM-ON
S-CLOCK
S-DATA
POW-DOWN
DEW
C-DRIVE
C-F/R
P-ON
PAUSE
T-DAC
CAS-SW
P-SAFT
SD
VDD
VPS-DATA
VPS-CLK
B/G-H
D-PB
RF-SW
P-CONT
LP-H
RF-SW
D-PB 5V
W/DEW
SD1 DEW SENSOR
Q04 2SC1740or 2SC536
SY01 CASIN
C-DRIVE
C-F/R
PAUSE
T-DAC
SD
BAND0
BAND1
AFT-DEF
P-ON
DM-ON
S-CLK
S-DATA
T-5V
AL+5V
AL+4V
AL-3V
EXT-H
V-IN
A-IN
A-MUTE
D-REC
VPS-CHK
TU-AUDIO
TU-VIDEO
D-PB12V
RF-SW
PAUSE
S-DATA
S-CLK
C-SYNC
4.43MHZ
LP-H
D-SP
D-PH
C-SP
C-PH
PB CTL
RF-SW
D-V
V. REF
C-FG
D-PG
D-FG
DC BIAS
VSS
VDD
VSSA
CTL AMP OUT
CTL AMP IN
REC CTL
PG MM
VDDA
D-CONT
C-FG
D-FG
C-DRIVE
V-REF
CM-CONT
FE-H
FE-H GND
CTL
CTL GND
D-PG/FGCOM
D-V
D-CONT
D-FG
C-FG
D-PG
A-OUT
A-IN
A-MUTE
D-REC
RF-SW
LP-H
PB-CTL
D-ON
AL+5V
AL+4V
AL-3V
EXT-H
V-IN
A-IN
V-OUT
A-OUT
TU-AUDIO
TU-VIDEO
D-PB12V
V-MUTE

TUNER BLOCK
NO. # 70**

JACK/IN-SEL
BLOCK
NO. #75**

SERVO BLOCK
NO. #20**

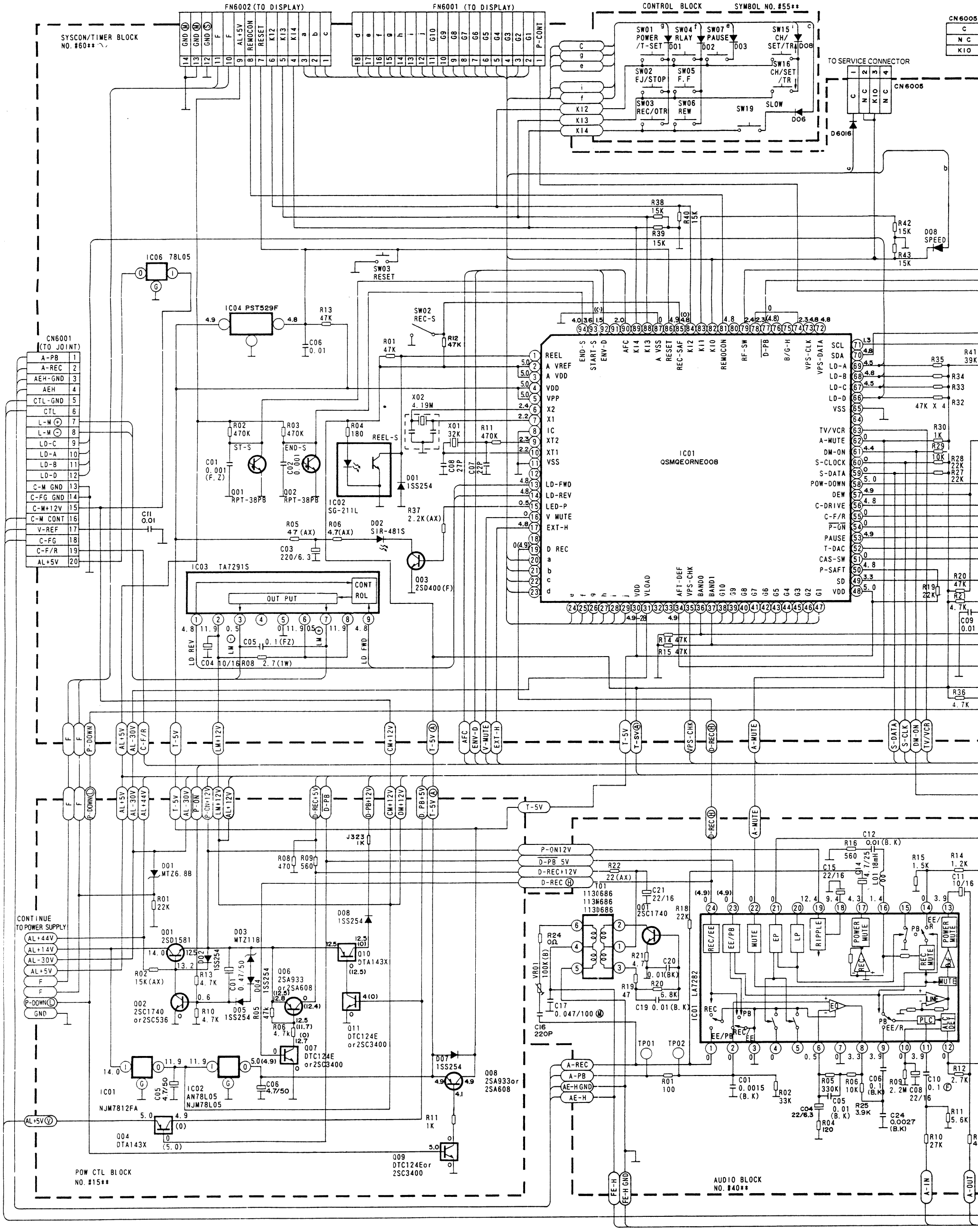
Mode : EE
Input : Color Bar Signal
with 100% White

Mode : PLAY(SP)
Test Tape : F6-A

NORMARK : PLAY Mode
( ) : REC Mode

Schaltbild System Control / Servo (Tuner + Convertor getrennt)

Circuit diagram system control / servo (tuner 2 pieces type)



CONTROL BLOCK SYMBOL NO. #55**

SW01 POWER /T-SET D01
SW04 RLAY D02
SW07 PAUSE D03
SW15 CH/ SET/TR D08
SW16 CH/SET /TR
SW02 EJ/STOP
SW05 F.F
SW03 REC/OTR
SW06 REW
SW19
SLOW
D06

SERVICE CONNECTOR PCB
CN6005: C 1, N C 2, K10 3

TO SERVICE CONNECTOR
CN6005: C, N C, K10, N C
D6016

R38 15K, R40 15K, R39 15K
R42 15K, D08 SPEED, R43 15K

IC01 QSMQEORNE008
AFC, K14, K13, A VSS, RESET, REC-SAF, K12, K11, K10, REMOCON, RF-SW, D-PB, B/G-H, VPS-CLK, VPS-DATA
SCL, SDA, LD-A, LD-B, LD-C, LD-D, VSS, TV/VCR, A-MUTE, DM-ON, S-CLOCK, S-DATA, POW-DOWN, DEW, C-DRIVE, C-F/R, P-ON, PAUSE, T-DAC, CAS-SW, P-SAFT, SD, VDD
AFT-DEF, VPS-CHK, BAND0, BAND1, G10, G9, G8, G7, G6, G5, G4, G3, G2, G1

R44 15K, R41 39K, R35, R34, R33, R32 47K X 4
IC05 X 24C01P (SDA VSS, SCL NC, NC NC, VCC NC)

Q04 2SC1740or 2SC536
R30 1K, R29 10K, R28 22K, R27 22K
S01 DEW SENSOR

R20 47K, R21 4.7K, R25 82K, R24 47K, R23 1.2K, R22 47K, R19 22K, R18 4.7K
C09 0.01
R36 4.7K
SW01 CASIN
R14 47K, R15 47K

C-DRIVE, C-F/R, PAUSE, T-DAC, SD, BAND0, BAND1, AFT-DEF

T-5V, T-SV, VPS-CHK, D-REC, A-MUTE, S-DATA, S-CLK, DM-ON, TV/VCR, P-ON

C10 0.047 (FZ)

SERVICE CONNECTOR PCB
CN6005: C 1, N C 2, K10 3

CL7003: 4 AL+12V, 3 AUDIO, 2 GND, 1 VIDEO
CL7002: 1 BU, 2 VT, 3 BH, 4 AFT, 5 BL
CL7001: 7 A-OUT, 6 NC, 5 AFT, 4 P-ON+12V, 3 V-OUT, 2 A-MUTE, 1 GND

AUDIOIN, VIDEOIN

R01 10K, C32 150P, R04 47K, R06 6.8K, R07 5.6K, R70 75
Q02 2SC1740 or 2SC536
C26 39P(SL) H

C03 10/16, R18 56K
Q03 2SK128 2SK304
Q04 DTA124E 2SA1346
Q05 2SD1468or 2SD1012
R19 1M, R21 3.3K, R20 3.9K
Q01 MTZ4.3B, R23 3.3K
Q06 DTC124E or 2SC3400
C02 100/16

IC01 LA7210: 1/32, AND, AMP, VCO, AFC, SYNC SEP
X01 500KHZ, C04 1000P, R09 1.2K, R10 1K, C05 330P, C06 0.47/50, R08 15K, C20 100P(B.J), C07 1/50, R12 330K, R11 820, C08 270P, R13 18K, R14 100K, C09 0.47/50

Q07 2SC1740
R26 27K, R27 27K, R28 27K, R29 47K, C16 6800P
C13 0.15, C14 0.15, C15 0.1, R30 10K, C11 100P, R24 15K, R25 56K

IC02 LA7910: CTRL, BH, BU, BL
D02 1SS254, R17 6.2K, C10 10/16

R32 2.2K(AX), R31 2.2K(AX), IC03 L5631, C12 47/35

TUNER BLOCK NO. # 70**

AL+12V, P-ON 12V, T-DAC, AL+44V, BAND 1, BAND 0

AL+5V, EXT-H, AL-30V, V-MUTE, Tu-VIDEO, D-PB12V, A-OUT, V-OUT, Tu-AUDIO

IC01 BU4053: 1Z, 0Z, Z, 1X, 0X, X, 1Y, 0Y, Y
R10 22K, R09 10K, R11 22K, R08 22K, C01 0.01, C08 1/50, R14 75
D04 1SS254, D01 MTZ5.6, D02 MTZ5.6, V-OUT TP01, R01 180, R02 150, R03 68
C7502 100/6.3, C06 150P, JACK/IN-SEL (SL) BLOCK NO. #75**
V-IN, VPS-CHK, A-IN, A-OUT, V-OUT

LP-H, V-REF, CM-CONT

Q01 2SC1740, R18 22K, C21 22/16, R21 4.7, C20 0.01(BK), R19 47, R20 6.8K, C19 0.01(B.K)
IC01 LA7282: REC/EE, EE/PB, MUTE, EP, LP, RIPPLE, POWER MUTE, REC, REC MUTE, Buf, MUTE, LINE, EQ, PLC, ALC DET, PB, EE/R
TP01, TP02
R01 100, C01 0.0015 (B.K), R02 33K, C04 22/6.3, R04 120, C05 0.01 (B.K), R05 330K, R06 10K, C06 0.1 (B.K), R25 3.9K, C24 0.0027 (B.K), C08 22/16, R09 2.2M, C10 0.1 (F), R11 5.6K, R10 27K, R23 470, R12 2.7K
C12, R16 560, 0.01(B.K), C15 22/16, G14 4.7/25, L01 18mH, R15 1.5K, R14 1.2K, C11 10/16

AUDIO BLOCK NO. #40**

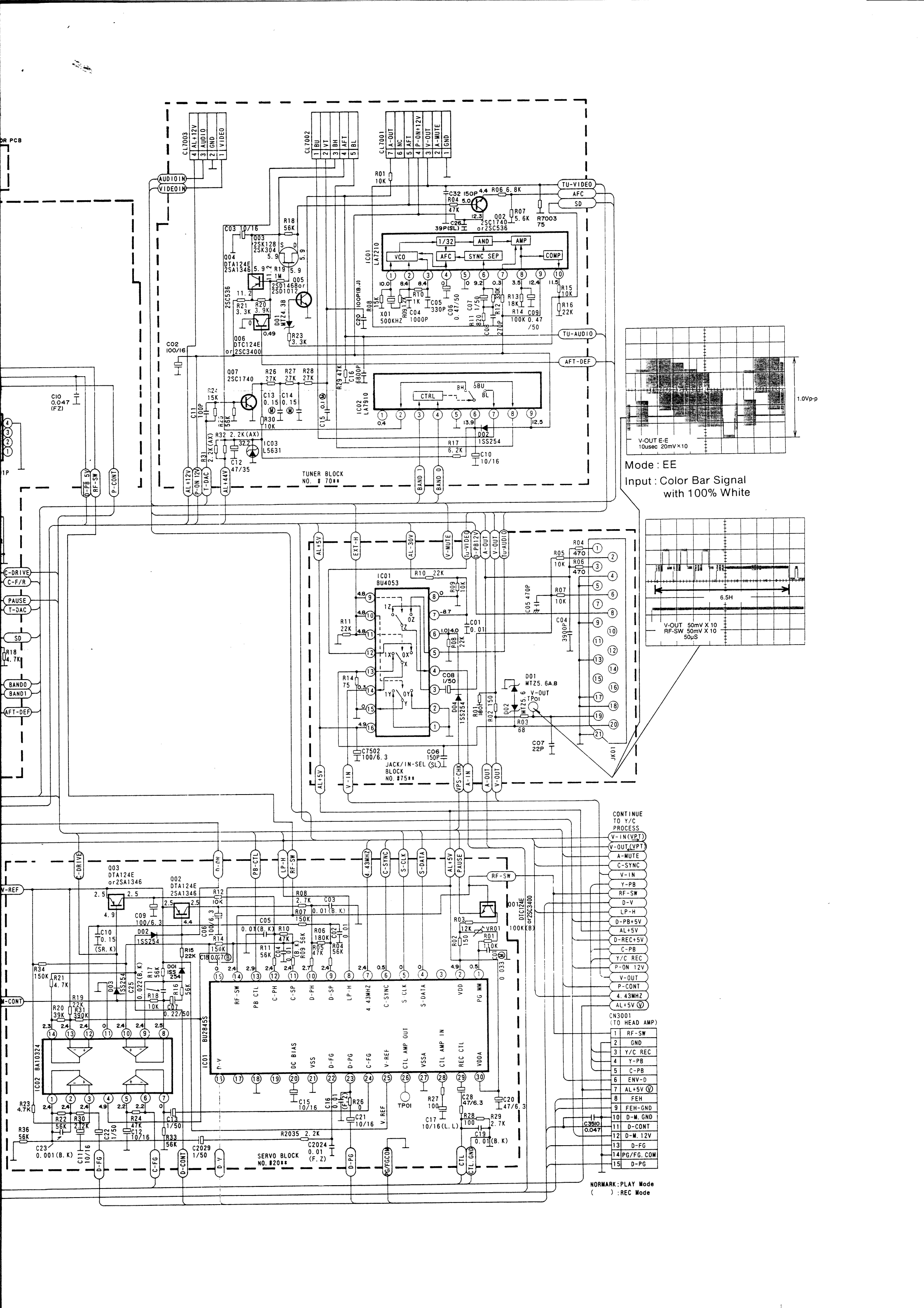
Q03 DTA124E or 2SA1346
Q02 DTA124E 2SA1346
R12 10K, C09 100/6.3, C10 0.15 (SR.K), D02 1SS254, R14 150K, R15 22K, R34 150K, R21 4.7K, R19 22K, R20 39K, R31 390K, D03 1SS254, C25 0.022(B.K), R17 56K, R18 10K, D01 1SS254, R16 56K, C07 0.22/50
IC02 BA10324
R23 4.7K, R22 56K, R30 2.2K, R24 47K, C12 10/16, C13 1/50, R36 56K, C23 0.001(B.K), C11 10/16, C22 1/50, C2029 1/50, R2035 2.2K, C2024 0.01 (F.Z)

IC01 BU2845S: RF-SW, PB CTL, C-PH, C-SP, D-PH, D-SP, LP-H, 4.43MHZ, C-SYNC, S-CLK, S-DATA, VDD, PG MM, D-V, DC BIAS, VSS, D-FG, D-PG, C-FG, V-REF, CTL AMP OUT, VSSA, CTL AMP IN, REC CTL, VDDA
C15 10/16, C16 0.01 (F.Z), R26 0, C21 10/16, C28 47/6.3, C20 47/6.3, R27 100, C17 10/16(L.L), R28 100, R29 2.7K, C19 0.01(B.K)

SERVO BLOCK NO. #20**

Q001 DTC124E or 2SC3400 100K(B)
R08 2.7K, C03 0.01(B.K), R07 150K, C05 0.01(B.K), R10 47K, R06 180K, C02 0.01, R11 56K, C04 0.01, R09 56K, R05 47K, R04 56K, C18 0.01(B), C01 0.033, R03 12K, VR01, R01 10K, R02 150

RF-SW, PB-CTL, LP-H, RF-SW, 4.43MHZ, C-SYNC, S-CLK, S-DATA, AL+5V, PAUSE, C-DRIVE, D-ON, V-REF, CM-CONT, D-FG, C-FG, D-CONT, D-V, D-PG, PG/FGCOM, CTL, CTL GND


CL7003
4 AL+12V
3 AUDIO
2 GND
1 VIDEO
CL7002
1 BU
2 VT
3 BH
4 AFT
5 BL
CL7001
7 A-OUT
6 NC
5 AFT
4 P-ON+12V
3 V-OUT
2 A-MUTE
1 GND
AUDIOIN
VIDEOIN
TU-VIDEO
AFC
SD
TU-AUDIO
AFT-DEF
R01 10K
C32 150P
R04 47K
R06 6.8K
R07 5.6K
R7003 75
Q02 2SC1740 or 2SC536
C26 39P(SL)
IC01 LA7210
1/32
AND
AMP
VCO
AFC
SYNC SEP
COMP
X01 500KHZ
C04 1000P
C05 330P
C06 0.47/50
C07 1/50
C08 270P
C09 100K 0.47 /50
R08 15K
R09 1K
R10 1K
R11 820
R12 330K
R13 18K
R14 100K
R15 10K
R16 22K
C03 10/16
R18 56K
Q03 2SK128 2SK304
Q04 DTA124E 2SA1346
R19 1M
Q05 2SD1468or 2SD1012
R21 3.3K
R20 3.9K
D01 MTZ4.3B
R23 3.3K
Q06 DTC124E or 2SC3400
C02 100/16
C20 100P(B.J)
Q07 2SC1740
R26 27K
R27 27K
R28 27K
R29 47K
C16 6800P
C13 0.15
C14 0.15
C15 0.1
R30 10K
IC02 LA7910
CTRL
BH
5BU
BL
D02 1SS254
R17 6.2K
C10 10/16
R32 2.2K(AX)
R31 2.2K(AX)
IC03 L5631
C12 47/35
C11 100P
TUNER BLOCK NO. # 70**
C10 0.047 (FZ)
C-PB 5V
RF-SW
P-CONT
AL+12V
P-ON 12V
T-DAC
AL+44V
BAND 1
BAND 0
C-DRIVE
C-F/R
PAUSE
T-DAC
SD
R18 4.7K
BAND0
BAND1
AFT-DEF
AL+5V
EXT-H
AL-30V
V-MUTE
Tu-VIDEO
D-PB12V
A-OUT
V-OUT
Tu-AUDIO
IC01 BU4053
R10 22K
R09 10K
R11 22K
R08 22K
R14 75
C01 0.01
C08 1/50
D04 1SS254
R01 180H
R02 150
D02 MTZ5.6
D01 MTZ5.6A.B
V-OUT TP01
R03 68
C07 22P
R04 470
R05 10K
R06 470
R07 10K
C05 470P
C04 3900P
JK01
C7502 100/6.3
C06 150P (SL)
JACK/IN-SEL BLOCK NO. #75**
V-IN
VPS-CHK
A-IN
A-OUT
V-OUT
CONTINUE TO Y/C PROCESS
V-IN(VPT)
V-OUT(VPT)
A-MUTE
C-SYNC
V-IN
Y-PB
RF-SW
D-V
LP-H
D-PB+5V
AL+5V
D-REC+5V
C-PB
Y/C REC
P-ON 12V
V-OUT
P-CONT
4.43MHZ
AL+5V
CN3001 (TO HEAD AMP)
1 RF-SW
2 GND
3 Y/C REC
4 Y-PB
5 C-PB
6 ENV-D
7 AL+5V
8 FEH
9 FEH-GND
10 D-M.GND
11 D-CONT
12 D-M.12V
13 D-FG
14 PG/FG.COM
15 D-PG
V-REF
M-CONT
Q03 DTA124E or2SA1346
Q02 DTA124E 2SA1346
R12 10K
R08 2.7K
C03 0.01(B.K)
R07 150K
C09 100/6.3
C06 100/6.3
C05 0.01(B.K)
R10 47K
R06 180K
C02 0.01
C10 0.15 (SR.K)
D02 1SS254
R14 150K
C18 0.027(B)
R15 22K
R11 56K
C04 0.1
R09 56K
R05 47K
R04 56K
R03 12K
VR01
R01 10K
R02 150
C01 0.033
100K(B)
DTC124E or2SC3400
R34 150K
R21 4.7K
D03 1SS254
C25 0.022(B.K)
R17 56K
R18 10K
R16 56K
D01 1SS 254
C07 0.22/50
R19 22K
R20 39K
R31 390K
IC02 BA10324
IC01 BU2845S
RF-SW
PB CTL
C-PH
C-SP
D-PH
D-SP
LP-H
4.43MHZ
C-SYNC
S CLK
S-DATA
VDD
PG MM
D-V
DC BIAS
VSS
D-FG
D-PG
C-FG
V-REF
CTL AMP OUT
VSSA
CTL AMP IN
REC CTL
VDDA
R23 4.7K
R22 56K
R30 2.2K
R24 47K
C13 1/50
R36 56K
C23 0.001(B.K)
C11 10/16
C22 1/50
C12 10/16
R33 56K
C2029 1/50
R2035 2.2K
C2024 0.01 (F.Z)
C15 10/16
C16 0.01 (F.Z)
R26 0
C21 10/16
TP01
R27 100
C28 47/6.3
C17 10/16(L.L)
R28 100
R29 2.7K
C19 0.01(B.K)
C20 47/6.3
C3510 0.047
SERVO BLOCK NO. #20**
D-FG
C-FG
D-CONT
D-V
D-PG
PG/FGCOM
CTL
CTL GND
C-DRIVE
PB-CTL
LP-H
RF-SW
4.43MHZ
C-SYNC
S-CLK
S-DATA
AL+5V
PAUSE
RF-SW
NORMARK:PLAY Mode
( ) :REC Mode
V-OUT E-E
10usec 20mV×10
1.0Vp-p
Mode : EE
Input : Color Bar Signal
with 100% White
6.5H
V-OUT 50mV X 10
RF-SW 50mV X 10
50μS